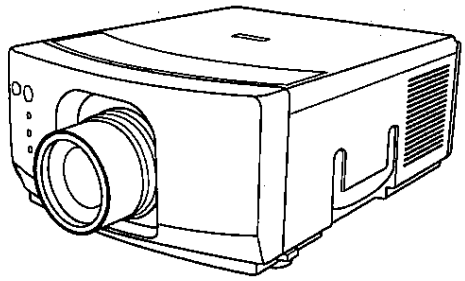
SERVICE MANUAL
SHARP SERVICE-ANLEITUNG

SZ7K1XG-XV1EA



PAL/SECAM/NTSC SYSTEM
LCD PROJECTOR
LCD PROJEKTOR

MODELS
MODELLE XG-XV1E/A

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

CONTENTS

Page

- SPECIFICATIONS 2
- NOTE TO SERVICE PERSONNEL 3
- OPERATION MANUAL 4
- REMOVING OF MAJOR PARTS 9
- RESETTING THE LAMP OPERATING HOUR COUNTER 14
- THE OPTICAL UNIT OUTLINE 15
- COVERGENCE AND FOCUS ADJUSTMENT ... 16
- VOLTAGE MEASUREMENT 20
- ELECTRICAL ADJUSTMENT 21
- TROUBLESHOOTING TABLE 29
- CHASSIS LAYOUT 89
- BLOCK DIAGRAM 91
- OVERALL WIRING DIAGRAM 95
- DESCRIPTION OF SCHEMATIC DIAGRAM 97
- WAVEFORMS 98
- SCHEMATIC DIAGRAM 99
- PRINTED WIRING BOARD ASSEMBLIES 145
- PARTS LIST
  - ■ELECTRICAL PARTS 157
  - ■CABINET AND MECHANICAL PARTS 195
  - ■ACCESSORIES PARTS 202
  - ■PACKING PARTS 202
- PACKING OF THE SET 203

INHALT

Seite

- TECHNISCHE DATEN 45
- HINWEISE FÜR DAS WARTUNGSPERSONAL 46
- BEDIENUNGSANLEITUNG 47
- ENTFERNEN DER HAUPTTEILE 52
- RÜCKSTELLUNG DES LAMPEN-BETRIEBSSTUNDENZÄHLERS 57
- ÜBERSICHT DER OPTIKEINHEIT 58
- EINSTELLUNG VON KONVERGENZ UND BRENNPUNKT 59
- SPANNUNGSMESSUNG 63
- ELEKTRISCHE EINSTELLUNGEN 64
- FEHLERSUCHTABELLE 72
- CHASSIS-ANORDNUNG 89
- BLOCKSCHALTBILD 91
- GESAMTSCHALTPLAN 95
- BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS 97
- WELLENFORMEN 98
- SCHEMATISCHER SCHALTPLAN 99
- LEITERPLATTENEINHEITIN 145
- ERSATZTEILLISTE
  - ■ELEKTRISCHE BAUTEILE 157
  - ■CEHÄUSE UND MECHANISCHE BAUTEILE 195
  - ■ZUBEHÖRTEILE 202
  - ■VERPACKUNGSTEILE 202
- VERPACKEN DES GERÄTS 203

SHARP CORPORATION

Specifications

Product Type	LCD Projector
Models	XG-XV1E/A
* Video system	PAL/SECAM/NTSC 3.58/NTSC 4.43
Display method	LCD panel × 3, RGB optical shutter method
LCD panel	Panel size: 1.8″ (27.6 [H] × 36.9 [W] mm) Display method: Translucent TN liquid crystal panel Drive method: TFT (Thin Film Transistor) Active Matrix panel No. of dots: 786,432 dots (1,024 [H] × 768 [V])
Lens	1-1.6 zoom lens, F2.7 to 3.5, f = 66 to 106 mm
Projection lamp	370 W Metal halide
Contrast ratio	100:1
* Video input signal	BNC Connector: VIDEO, composite video, 1 Vp-p, sync negative, 75 Ω terminated RCA Connector: AUDIO, 0.5 Vrms more than 22 kΩ (stereo)
* S-video input signal	4-pin mini DIN connector Y (luminance signal): 1 Vp-p, sync negative, 75 Ω terminated C (chrominance signal): Burst 0.286 Vp-p, 75 Ω terminated
* Video (monitor) output signal	BNC Connector: VIDEO, composite video, 1Vp-p, sync negative, 75 Ω terminated RCA Connector: AUDIO, 0.5 Vrms less than 2.2 kΩ (stereo)
* Horizontal resolution	520 TV lines (video input), 700 TV lines (S-video input)
Audio output	3 W + 3 W (stereo)
Computer RGB input signal	Video Signal: 15-pin mini D-sub connector (RGB 1), BNC connector (RGB 2): RGB separate type analog input: 0-0.7 Vp-p, positive, 75 Ω terminated Stereo Minijack: AUDIO, 0.5 Vrms, more than 22 kΩ (stereo) Horizontal sync. signal: TTL level (positive/negative) or composite sync (Apple only) Vertical sync. signal: Same as above
RS-232C input terminal	9-pin D-sub male connector for controlling personal computer
Mouse input terminal (for IBM/Mac)	9-pin D-sub female connector for wireless mouse
Mouse input terminal (for PC98)	9-pin mini DIN connector for wireless mouse
Speaker system	3″ (8 cm) round × 2
Rated voltage	AC 200 V–240 V
Rated frequency	60/50 Hz
Power consumption	535 W
Operating temperature	+5°C to +40°C
Storage temperature	−20°C to +60°C
Cabinet	Plastic
I/R Carrier frequency	40 kHz
Laser Pointer of Remote Control	Wave length : 670 nm Max. output : 1 mW Class II Laser Product
Dimensions (W × D × H)	359 × 585 × 208 mm projector only 444 × 585 × 208 mm incl. terminal cover
Weight	17.0 kg projector only
Supplied accessories	Remote control unit, Four AA batteries, Extra air filter, RGB signal cable (3 m), Macintosh adaptor, Two BNC/RCA adaptors, Mouse control cable for IBM PS/2 (15 cm), Mouse control cable for Mac (15 cm), Mouse control cable (3 m), AC cord, Terminal cover, Inverting labels, Lens cover (installed)
Replacement parts	Remote control (RRMCG1393CESA), Air filter (PFILD0058CEZZ), RGB signal cable (QCNW-4910CEZZ), Macintosh adaptor (QPLGJ1512CEZZ), Mouse control cable for IBM PS/2 (QCNW-4754CEZZ), Mouse control cable for Mac (QCNW-4755CEZZ), Mouse control cable (QCNW-4620CEZZ), AC cord

Note: * (for XG-XV1A as well as Australian and NewZealand versions of XG-XV1E)

Our projector uses LCD (Liquid Crystal Display) panels. These very sophisticated panels contain 786,432 pixels (× RGB) TFTs (Thin Film Transistors).
As with any high technology electronic equipment such as large screen TVs, video systems and/or video cameras, there are certain acceptable tolerances that the equipment must conform to. This unit has some inactive TFTs within acceptable tolerances, which may result in illuminated or inactive dots on the picture screen.
This will not affect the picture quality or the life expectancy of the unit.

Specifications are subject to change without notice.

NOTE TO SERVICE PERSONNEL

UV-RADIATION PRECAUTION

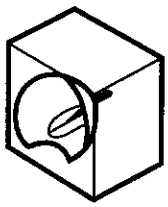
The light source, metal halide lamp, in the LCD projector emits small amounts of UV-Radiation.

AVOID DIRECT EYE AND SKIN EXPOSURE.

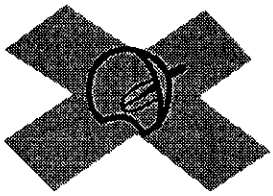
To ensure safety please adhere to the following:

1. Be sure to wear sun-glasses when servicing the projector with the lamp turned "on" and the top enclosure removed.

2. Do not operate the lamp outside of the lamp housing.



3. Do not operate for more than 2 hours with the enclosure removed.



UV-Radiation and Medium Pressure Lamp Precautions

1. Be sure to disconnect the AC plug when replacing the lamp.
2. Allow one hour for the unit to cool down before servicing.
3. Replace only with same type lamp. Type CLMPF0046DE05 rated 63V/370W.
4. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
5. The medium pressure lamp involves a risk of explosion. Be sure to follow installation instructions described below and handle the lamp with care.

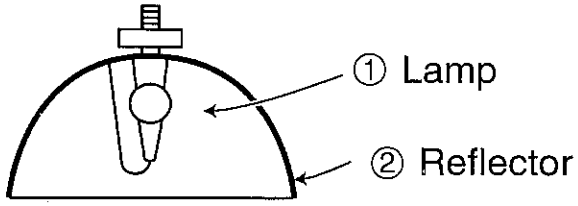
■ Lamp Replacement

Note:

Since the lamp reaches a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off. (to allow the lamp to cool off.)

Installing the new lamp, make sure not to touch the lamp (bulb) replace the lamp by holding its reflector ②.

[Use original replacement only.]



DANGER ! — Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages at its start.

Since small amounts of UV-Radiation are emitted from an opening between the duct cover and the lamp housing, it is recommended to place the LENS CAP on the opening during servicing to avoid eye and skin exposurem (Fig. 1).

Note: Please obtain a lens cap before servicing a models XG-XV1E/A that is received without one.

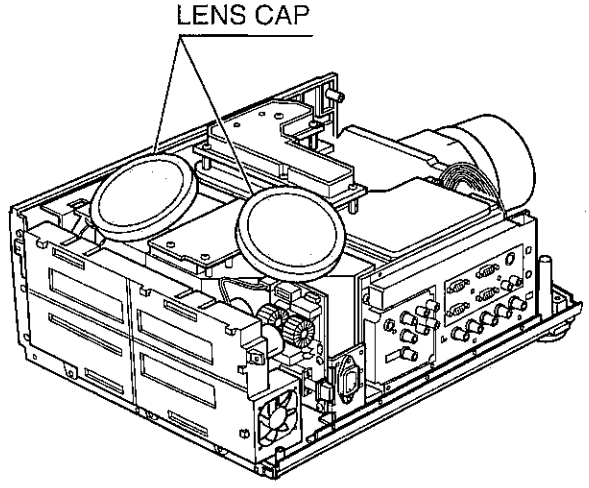
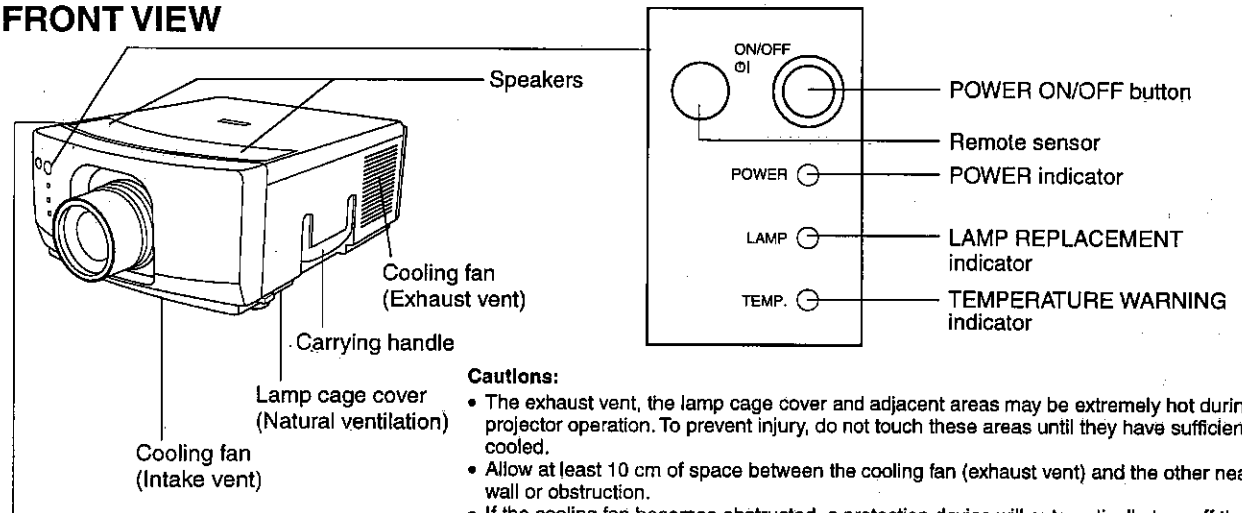


Figure 1.

Location of Controls

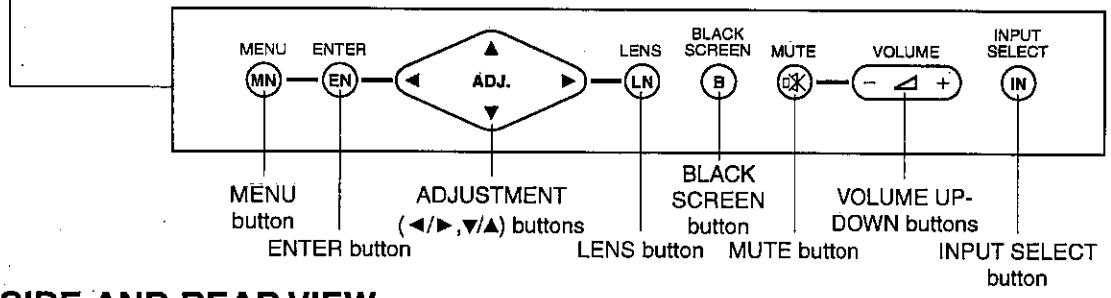
FRONT VIEW



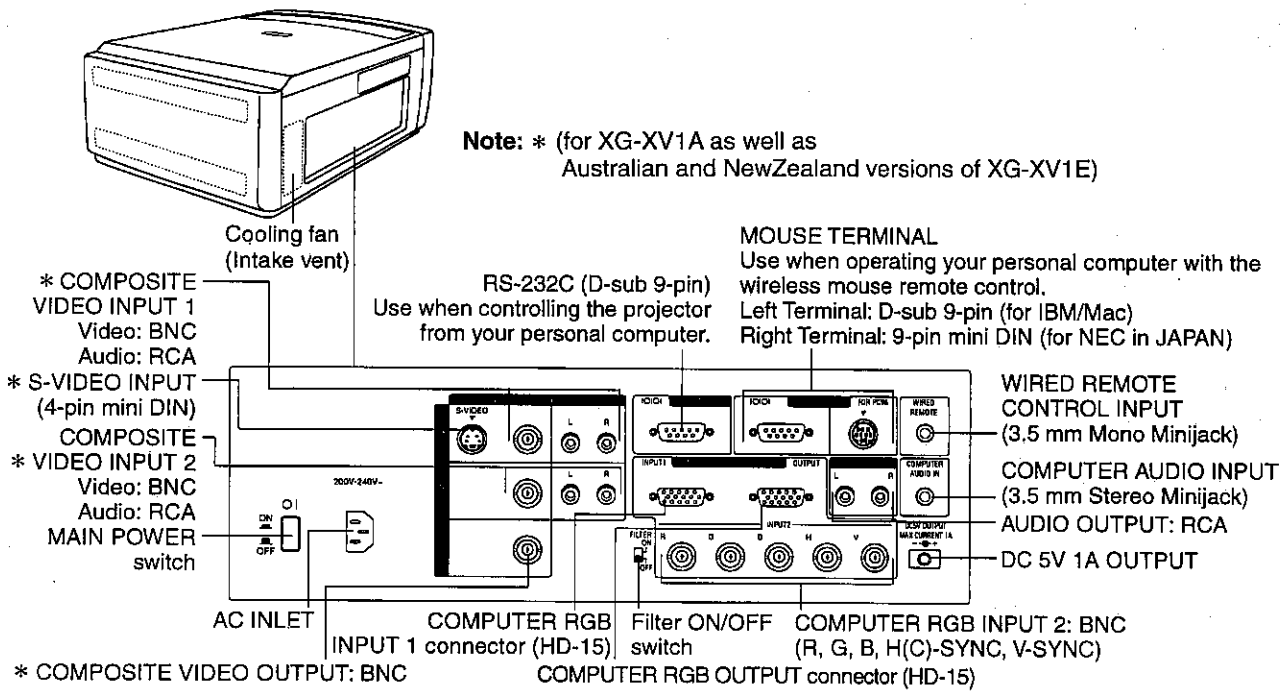
Cautions:

- The exhaust vent, the lamp cage cover and adjacent areas may be extremely hot during projector operation. To prevent injury, do not touch these areas until they have sufficiently cooled.
- Allow at least 10 cm of space between the cooling fan (exhaust vent) and the other nearest wall or obstruction.
- If the cooling fan becomes obstructed, a protection device will automatically turn off the projector lamp. This does not indicate a malfunction. Remove the projector plug from the wall outlet and wait 10 minutes. Then turn on the power by plugging the cord back in. This will return the projector to its normal mode.

OPERATION PANEL ON SIDE OF PROJECTOR



SIDE AND REAR VIEW


Cooling fan (Intake vent)
Note: * (for XG-XV1A as well as Australian and NewZealand versions of XG-XV1E)
MOUSE TERMINAL
Use when operating your personal computer with the wireless mouse remote control.
Left Terminal: D-sub 9-pin (for IBM/Mac)
Right Terminal: 9-pin mini DIN (for NEC in JAPAN)
* COMPOSITE VIDEO INPUT 1
Video: BNC
Audio: RCA
RS-232C (D-sub 9-pin)
Use when controlling the projector from your personal computer.
* S-VIDEO INPUT (4-pin mini DIN)
COMPOSITE * VIDEO INPUT 2
Video: BNC
Audio: RCA
MAIN POWER switch
WIRED REMOTE CONTROL INPUT
(3.5 mm Mono Minijack)
COMPUTER AUDIO INPUT
(3.5 mm Stereo Minijack)
AUDIO OUTPUT: RCA
DC 5V 1A OUTPUT
AC INLET
COMPUTER RGB INPUT 1 connector (HD-15)
Filter ON/OFF switch
COMPUTER RGB INPUT 2: BNC
(R, G, B, H(C)-SYNC, V-SYNC)
* COMPOSITE VIDEO OUTPUT: BNC
COMPUTER RGB OUTPUT connector (HD-15)

Notes:

- The DC 5V OUTPUT jack cannot supply a current of more than 1A.
- When connecting a Macintosh Series computer that outputs C-SYNC, connect the cable to the COMPUTER RGB 2 INPUT H-SYNC input terminal.

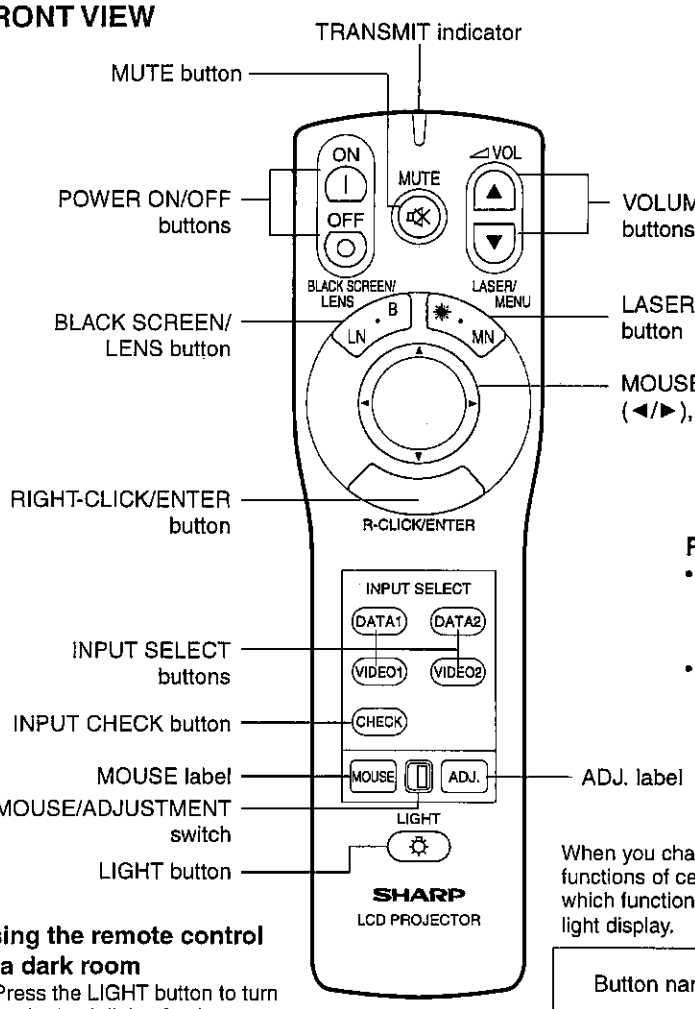
Operating the Wireless Mouse Remote Control

The functions of your personal computer's mouse have been built into the remote control enabling you to operate your projector and personal computer with only the remote control.

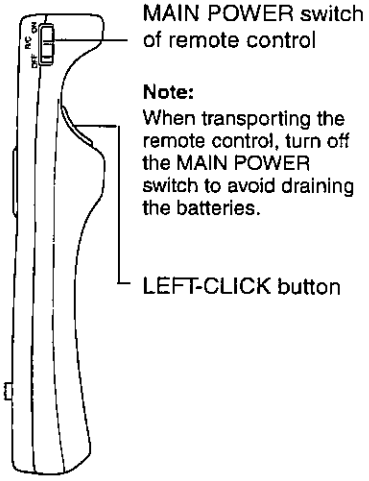
1. Slide the MAIN POWER switch on the side of the unit on.
2. Press the POWER ON button on the front panel of the remote control to turn the projector power on.
3. When using the remote control as a wireless mouse, move the MOUSE/ADJUSTMENT sliding switch to the MOUSE position. When using the remote control to operate the projector, move the MOUSE/ADJUSTMENT sliding switch to the ADJ. position. To activate the remote control key back-light feature, press the LIGHT button on the remote control. The colours of the buttons will change as shown in the table at the bottom of this page.

Wireless Mouse Remote Control

FRONT VIEW



SIDE VIEW


MAIN POWER switch of remote control
Note:
When transporting the remote control, turn off the MAIN POWER switch to avoid draining the batteries.
LEFT-CLICK button

Remote control handling precautions

- The laser beam used in this product is harmless when directed onto the skin, however please be careful not to project the beam directly into the eyes. Do not stare into the beam using an optical instrument.
- Do not expose the remote control to shocks, liquids or high humidity.
  The remote control may not operate normally if exposed to direct sunlight or other intense light sources. Should this happen, reposition the light source or the LCD Projector.

Using the remote control in a dark room

- Press the LIGHT button to turn on the back-lights for the operation buttons for about 5 seconds. The back-light colours are explained in the table to the right.

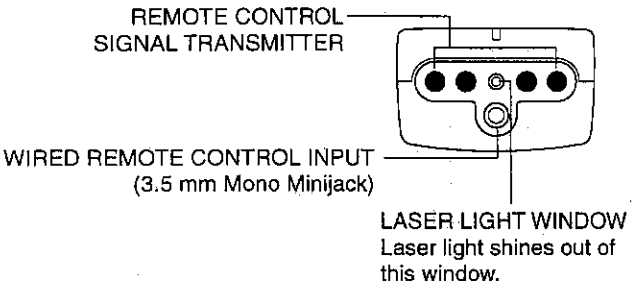
Note:

- If the MAIN POWER switch on the remote control is left on for more than 10 minutes without operation, the power will automatically turn off. To turn the power back on, press any button on the remote control for at least one second.

When you change the setting of the MOUSE/ADJUSTMENT switch, the functions of certain buttons on the remote control change. You can tell which function the button currently possesses by the colour of its back-light display.

Button name	Position of MOUSE/ADJUSTMENT switch	
	MOUSE	ADJ.
LASER POINTER/MENU	LASER POINTER (GREEN)	MENU (RED)
RIGHT-CLICK/ENTER	RIGHT-CLICK (GREEN)	ENTER (RED)
MOUSE/ADJUSTMENT	MOUSE (NOT LIT)	ADJ. ◄/►, ▼/▲ (NOT LIT)
LEFT-CLICK	ON (NOT LIT)	—
BLACK SCREEN/LENS	BLACK SCREEN (GREEN)	LENS (RED)
POWER ON/OFF	ON (RED)	
VOLUME UP-DOWN		
MUTE		
VIDEO 1		
VIDEO 2		
DATA 1		
DATA 2		
INPUT CHECK		

TOP VIEW

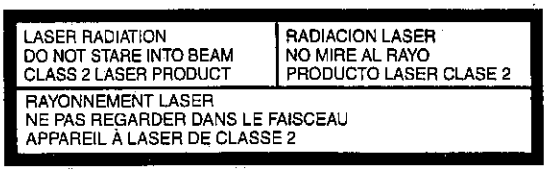


Using the optional cable with the remote control

- When the remote control cannot be used due to the range or positioning of the projector (rear projection, etc.), connect the optional cable from the Wired Remote Control Input jack on the remote control to the Wired Remote Input on the side of the projector.

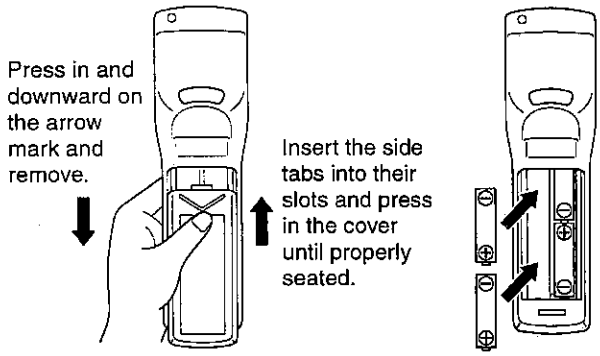
Note:

- The signal transmitter does not function when the optional cable is connected to the remote control.



The laser pointer on the remote control emits a laser beam from the laser light window shown in the figure to the left. The laser emitted is a class II laser; therefore, do not look into the laser window or shine the laser beam on yourself or other people. The two marks to the left are the caution labels for the laser beam.
Always use the laser pointer at temperatures between +5°C and +40°C.

REAR VIEW


Press in and downward on the arrow mark and remove.
Insert the side tabs into their slots and press in the cover until properly seated.

Inserting the Batteries

Remove the battery cover as shown and insert four AA size batteries making sure their polarities match the (+) and (–) marks inside the battery compartment.

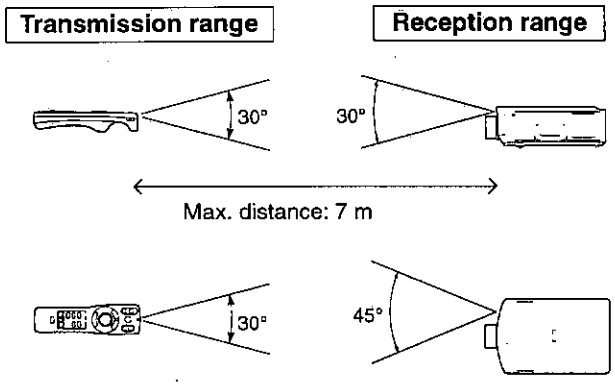
Notes:

Incorrect use of batteries may cause them to leak or burst.

- Insert the batteries with the (+) and (–) polarities as indicated.
- Remove the batteries if the remote control will not be operated for an extended period of time.
- Maintain the batteries in a clean condition.
- Do not mix different brands of batteries. The life expectancy of the new batteries will be shortened and the old batteries may leak.
- When the batteries have been used up, remove them immediately to prevent leakage and damage. Leaked battery fluid may irritate the skin. Remove any battery fluid by wiping with a cloth.
- Due to storage conditions and the shelf life of the supplied batteries, they may run out after a short time. If so, replace them with new batteries as soon as possible.

Remote control positioning

Use the remote control as shown in the figures on the left.

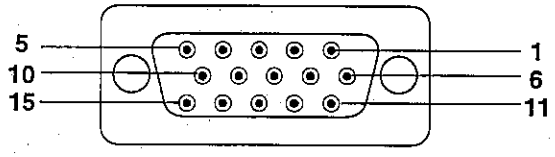


Note:

- The signal from the remote control can be reflected off the screen for easy operation. However, the effective distance of the signal may differ due to the screen material.

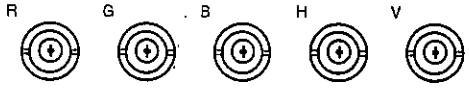
Connection Pin Assignmetns

Analog RGB 1 Signal Input and Analog RGB 1 and 2 Output Terminal : 15-pin mini D-sub female connector



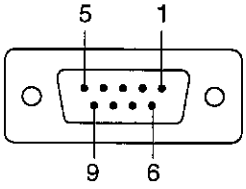
Computer input
Analog
1. Video input (red)
2. Video input (green)
3. Video input (blue)
4. Reserve input 1
5. Composite sync (Mac only)
6. Earth (red)
7. Earth (green)
8. Earth (blue)
9. Not connected
10. GND
11. GND
12. Reserve input 2
13. Horizontal sync signal
14. Vertical sync signal
15. Reserve input 3

Analog RGB 2 Signal Input : 5 BNC



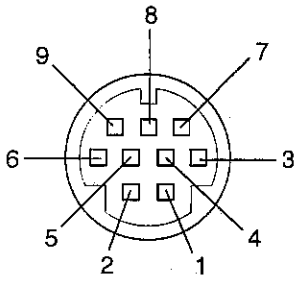
Computer Input
Analog
R Video input (red)
G Video input (green)
B Video input (blue)
H Horizontal sync signal, Mac C-sync signal
V Vertical sync signal

Mouse Input Terminal (for IBM/Mac) : 9-pin D-sub female connector



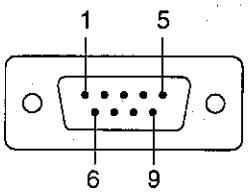
Pin No.	Signal	Name	I/O	Reference
1	CD	Carrier Detect	Input	Connected to internal circuit
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4	ER	Equipment Ready	Output	Connected to internal circuit
5	SG	Signal Ground		Connected to internal circuit
6	DR	Data Set Ready	Output	Not connected
7	RS	Request to Send	Output	Connected to internal circuit
8	CS	Clear to Send	Input	Connected to internal circuit
9	CI	Ring Indicator	Input	Connected to internal circuit

Mouse Input Terminal (for NEC PC98 series for Japan) : 9-pin mini DIN connector



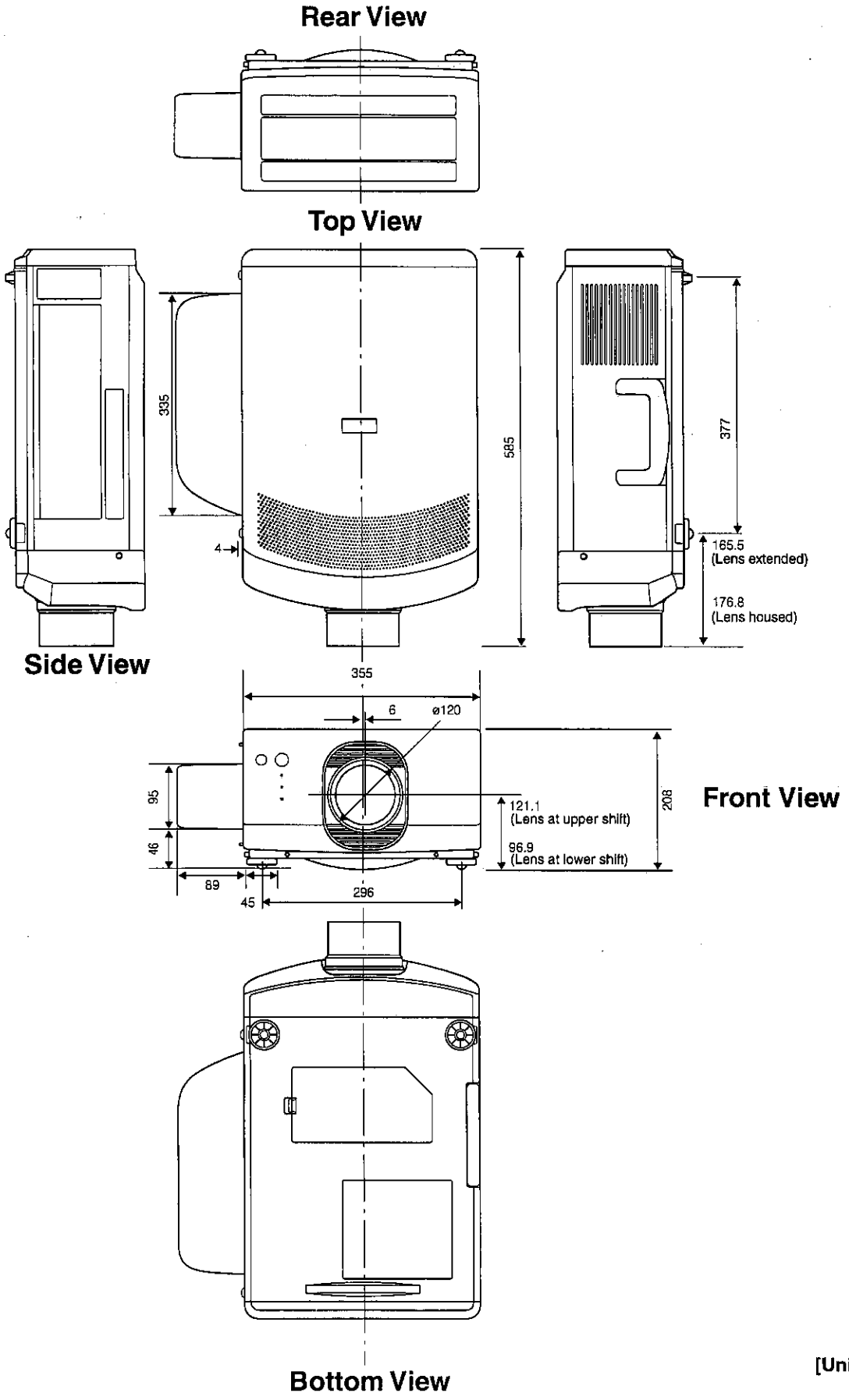
Pin No.	Signal	I/O	Reference
1	+5V	Input	Computer output
2	XA	Input	Computer output
3	XB	Input	Computer output
4	YA	Input	Computer output
5	YB	Input	Computer output
6	LEFT	Input	Computer output
7	NC	Input	Not connected
8	RIGHT	Input	Computer output
9	GND		Computer output

RS-232C terminal : 9-pin D-sub male connector



Pin No.	Signal	Name	I/O	Reference
1	CD			Not connected
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4	ER			Not connected
5	SG	Signal Ground		Connected to internal circuit
6	DR	Data Set Ready	Output	Not connected
7	RS	Request to Send	Output	Connected to internal circuit
8	CS			Not connected
9	CI			Not connected

Dimensions



[Units: mm]

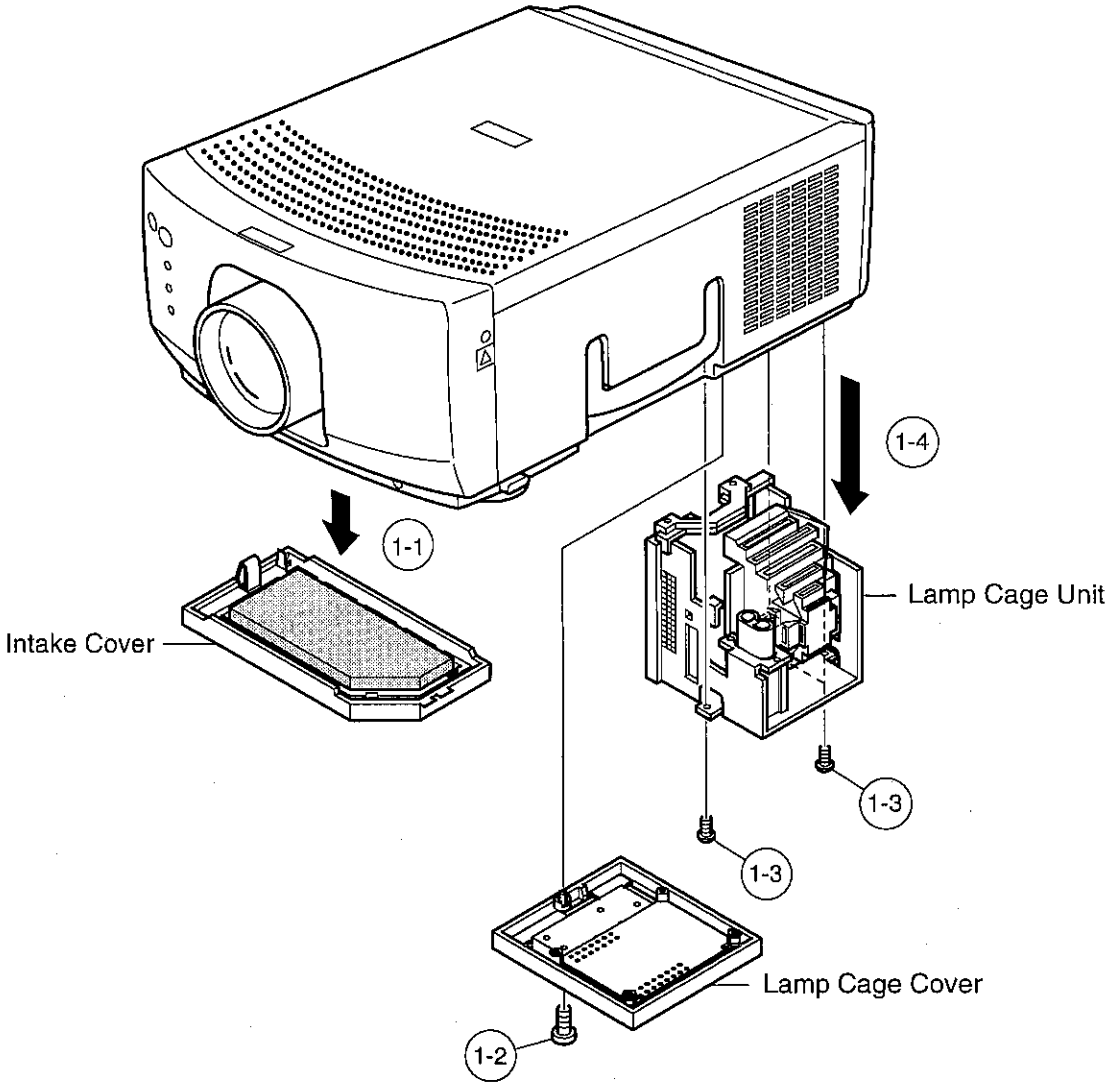
REMOVING OF MAJOR PARTS

1. Removing the Lamp cage unit and Intake cover

1-1. Remove the intake cover.
1-2. Remove the screws and detach the lamp cage cover.
1-3. Remove the three screws off the lamp cage unit.
1-4. Pull out the lamp cage unit.

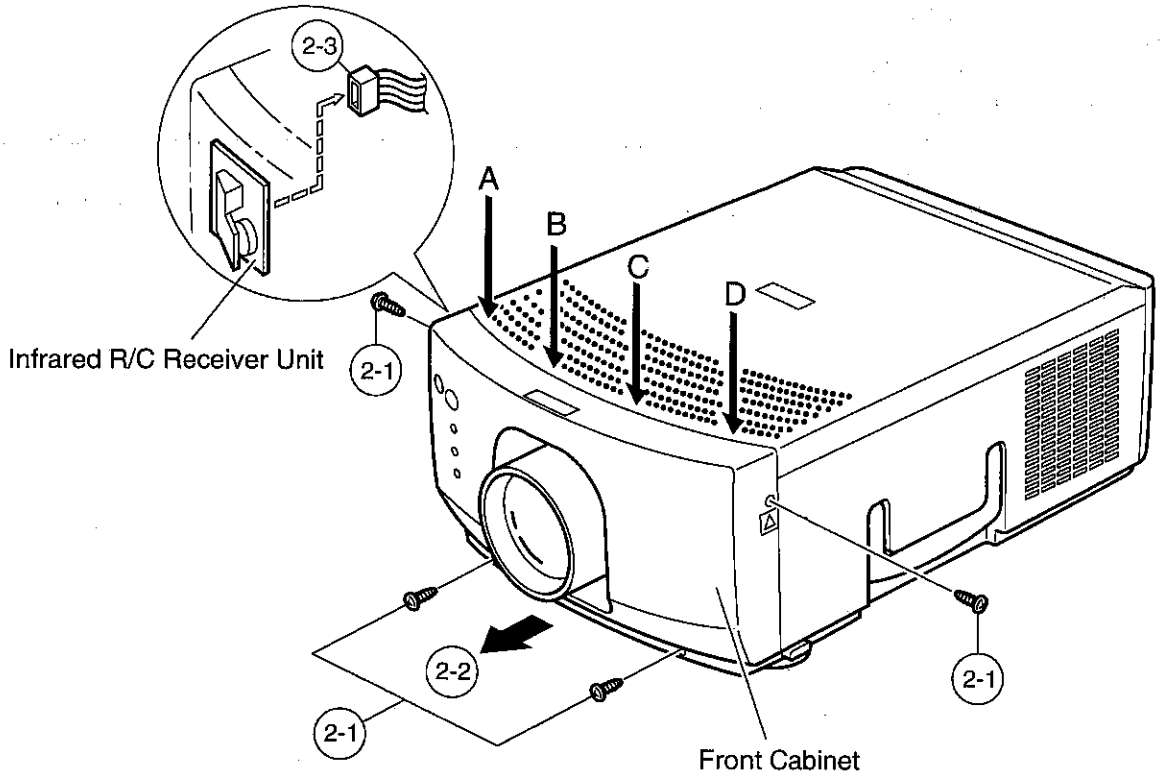
Notes:

- Before the replacement, turn off the projector's power button, make sure the cooling fan comes to a complete stop, and unplug the power cord.
- The lamp may be still very hot. Turn off the power button, unplug the power cord and wait for at least 1 hour before staring the job.
- In fitting the lamp cage unit back into position, make sure the connector is at the top position.



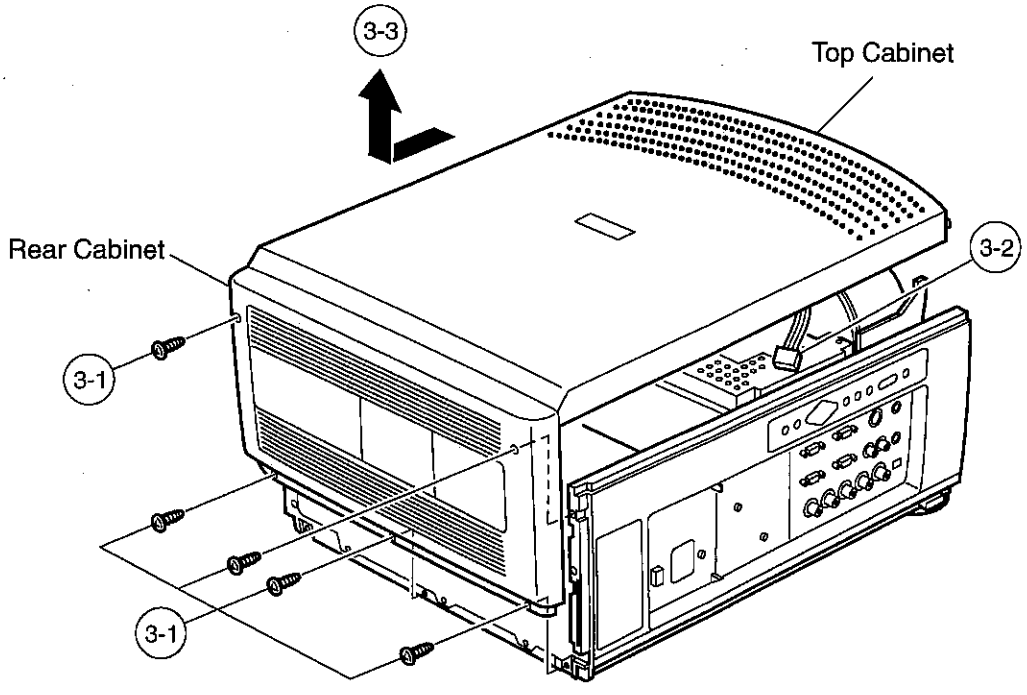
2. Removing the front cabinet

2-1. Remove the four right and left screws from the bottom of the front cabinet.
2-2. Gently press down on the hooks A, B, C and D of the top cabinet to unhook the front cabinet. Detach the front cabinet.
2-3. Disconnect the remote control connector.



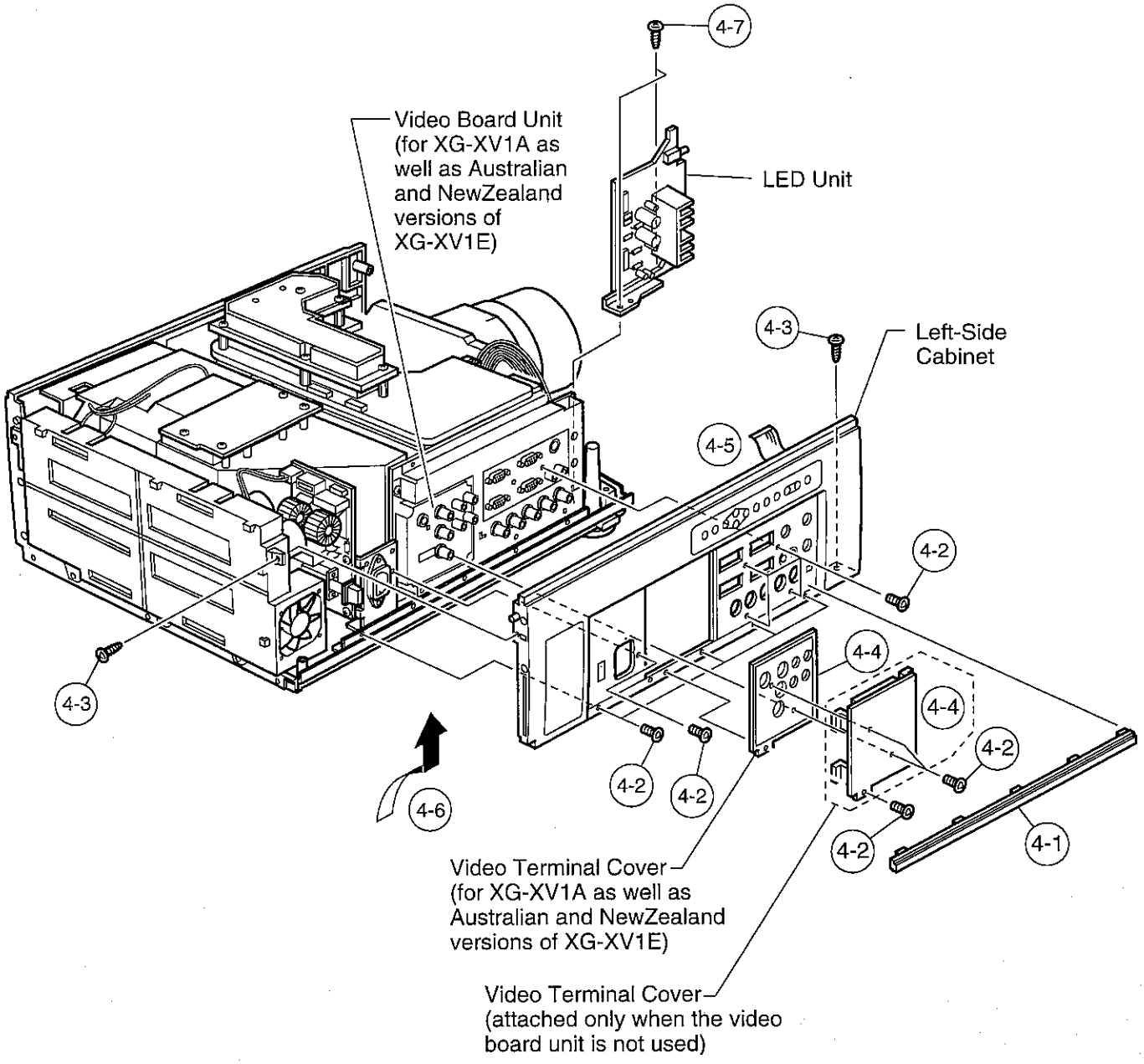
3. Removing the top and rear cabinets

3-1. Remove the five screws from the top and bottom of the rear cabinet.
3-2. Disconnect the speaker connector.
3-3. Slide back the top cabinet to separate the top and rear cabinets.



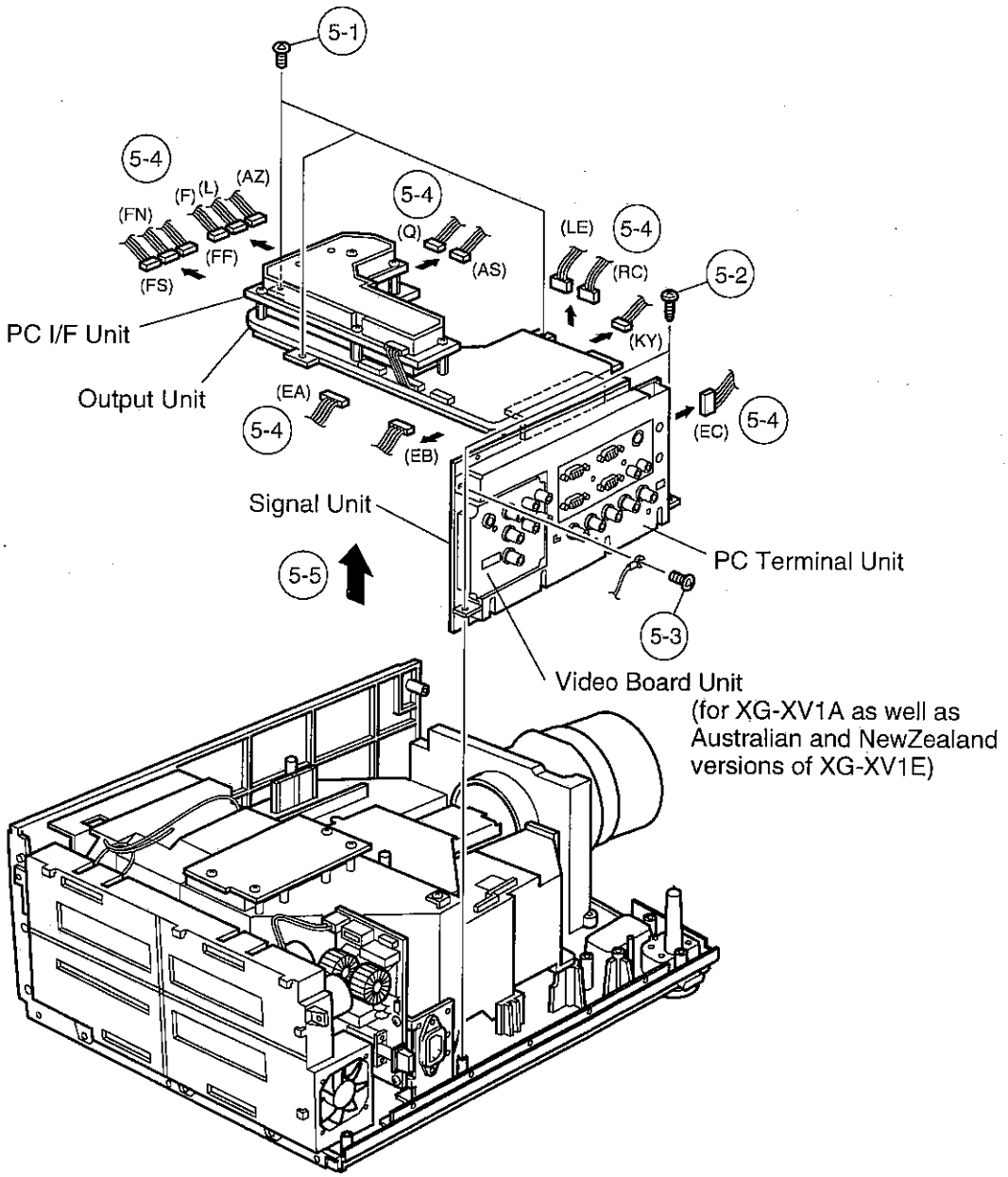
4. Removing the left side cabinet

4-1. Put a bladed screwdriver in the rightmost hole of the screws cover. Pull and unlock the right end of the screws cover, and pull and detach the entire screws cover.
4-2. Remove the twelve side screws.
4-3. Remove the two screws off the side cabinet.
4-4. Disconnect the video terminal cover.
4-5. Disconnect the membrane switch connector.
4-6. Pull down and detach the left side cabinet.
4-7. Remove the two screws off the LED PWB assembly.



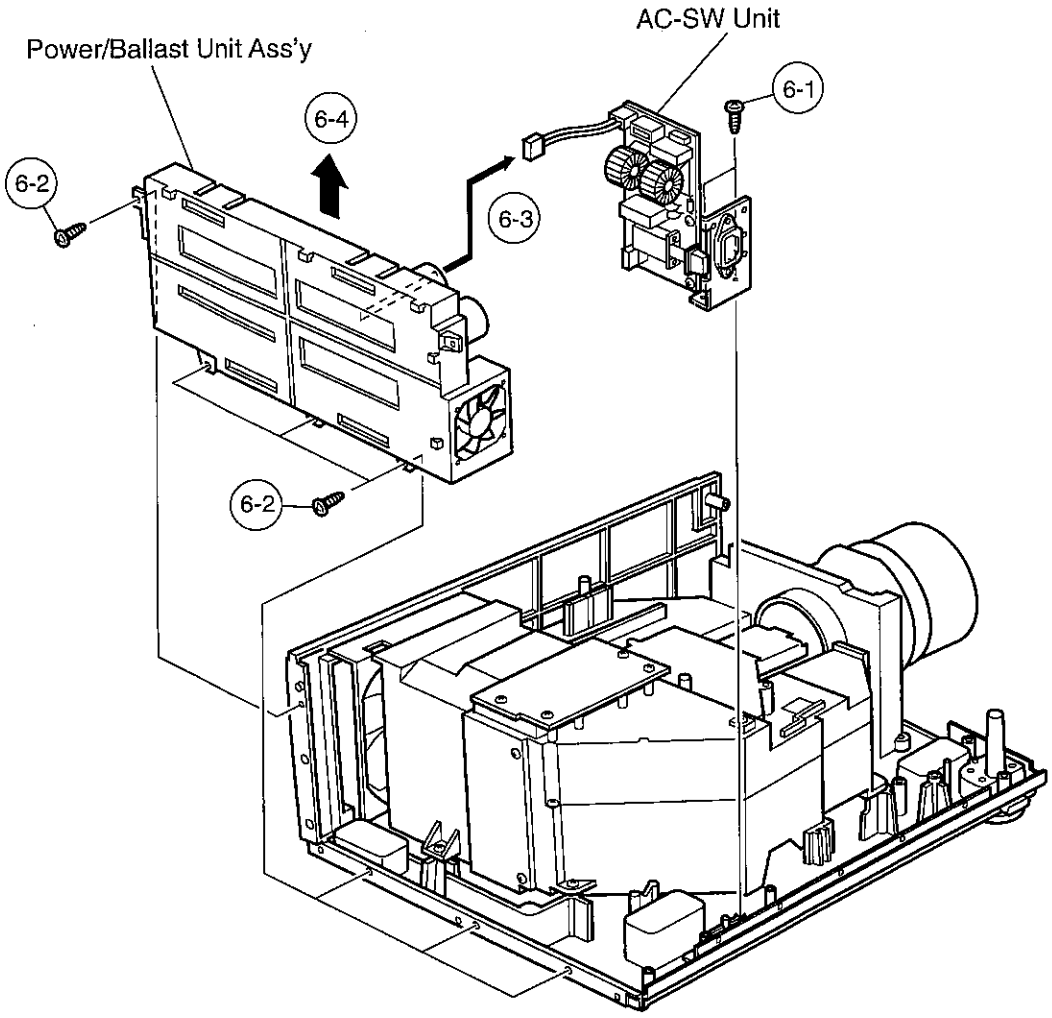
5. Disconnecting the signal and output PWBs

5-1. Remove the three screws off the optical mechanism assembly.
5-2. Remove the two screws off the bottom cabinet.
5-3. Remove the screw off the signal PWB assembly.
5-4. Disconnect the connectors of the signal PWB and output PWB assemblies.
5-5. Take up and away the PWB assemblies.



6. Removing the power supply and ballast PWBs

6-1. Remove the two screws off the AC-SW Unit on the bottom cabinet.
6-2. Remove the four screws off the power/ballast holder (located behind).
6-3. Disconnect the connectors.
6-4. Take up and away the PWBs.

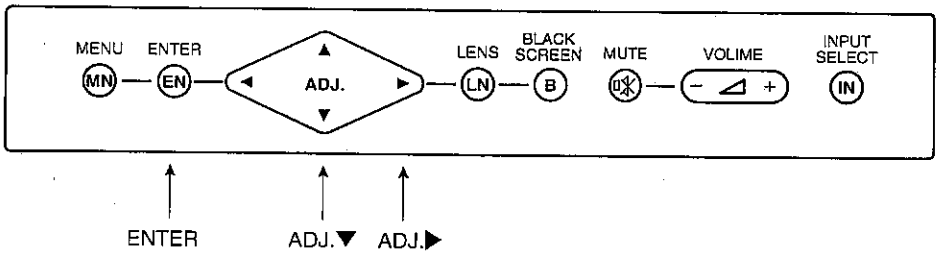


RESETTING THE LAMP OPERATING HOUR COUNTER

The unit is designed to keep its power off when the lamp has been used for 1900 and 2000 hours. This is to protect the lamp fixture. Replace the lamp with new one and take the following resetting procedure.

Resetting the lamp operating hour counter

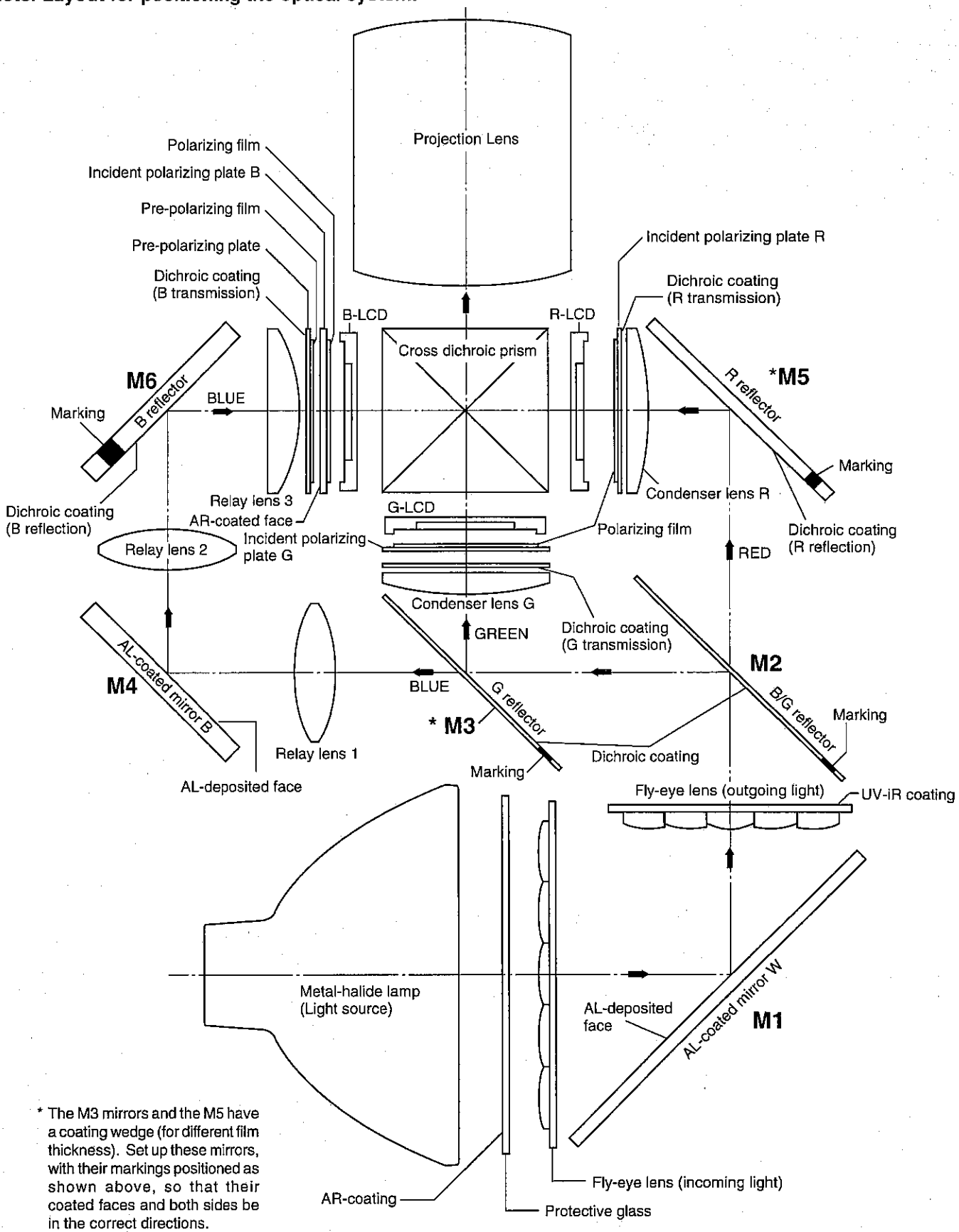
1. Hold down the "ENTER", "ADJ.▼" and "ADJ.▶" buttons on the unit, and turn on the main power switch (located above the AC inlet).
2. Now the unit is turned on and the lamp operating hour counter is reset to zero. "000H" appears on the screen.



THE OPTICAL UNIT OUTLINE

Layout of the optical system

Note: Layout for positioning the optical system.



* The M3 mirrors and the M5 have a coating wedge (for different film thickness). Set up these mirrors, with their markings positioned as shown above, so that their coated faces and both sides be in the correct directions.

CONVERGENCE AND FOCUS ADJUSTMENT

- **Start the convergence and focus adjustments with the top cabinet and the signal shield removed but the power on. Use the remote control to adjust the image. Take the following procedures.**

1. Focusing the projection lens

(A) Replacing all the 3 LCD panels

1. Before replacing all the 3 LCD panels, project an image on the screen and bring it into focus.
2. Replace the panels with new ones. But until the focus has been completely readjusted, be careful not to change the distance between the set and the screen, nor to move the projection lens focus and zoom rings.

(If the focus is readjusted with a different positional relation, the relation between the projection distance and the screen size is affected. In other words, a short-distance image (40 WIDE, for example) may get out of the focus range, or a long-distance image (300 WIDE, for example) may come out of focus.)

(B) Replacing 1 or 2 of the 3 LCD panels

1. In adjusting the focus after replacement of one or two LCD panels, project an image on the screen and turn the projection lens focus ring to get the non-replaced LCD panel into focus.
2. But until the focus has been completely adjusted for the new LCD panels, be careful not to change the distance between the set and the screen, nor to move the projection lens focus and zoom rings.
   (If the distance has been changed or the projection lens readjusted, repeat the above steps 1 and 2.)

2. Adjusting the G-LCD panel

(A) Focus adjustment. (Make this adjustment on the white-only screen.)

1. Right-and-left focus adjustment (θY direction) .
   Loosen the lock screws "b" and "c" and insert the eccentric screwdriver into the notch and hole "b" or "c". Turn the screwdriver until the right and left halves on the screen get into focus.
   (First get the right and left halves in balance. Then improve the accuracy while making the adjustment 2 below.)
2. Top-center-bottom focus adjustment (θX and Z directions).
   Loosen the lock screws "a" and "c" and insert the eccentric screwdriver into the notch and hole "a" and "c". Turn the screwdriver until the top, center and bottom on the screen get into focus. In adjusting this top-to-bottom focus, temporarily tighten the lock screw "b" to fix the θY direction adjustment.
3. Repeat the above steps 1 and 2 to finely adjust the focus. Finally tighten up all the lock screws.

Notes :

① Carefully proceed with the focus adjustment because the adjusting directions are correlated.
② In adjusting the convergence and focus, do not move the projection lens zoom and focus rings until the end of all the adjustments.

(B) Convergence adjustment

- The G-LCD panel has no convergence adjustment mechanism. Use this panel as convergence adjustment reference.

3. B-LCD panel adjustment (the same for the R-LCD panel)

(A) Focus adjustment

- Take the same procedure as for the G-LCD panel focus adjustment. Note that the adjustment range is small in the Z direction. If the convergence is quite different between the B-LCD and G-LCD panels, roughly adjust the convergence first and then the focus.

(B) Convergence adjustment

- Use a crosshatch pattern signal for this adjustment.
  Make the adjustment just for the G-colour and the relevant colour.
  (1) Loosen the convergence lock screw "d".
  (2) With the G-LCD panel's screen center as reference, adjust the B-LCD panel in the X, Y and θZ directions.
  (3) Finally tighten up the convergence lock screw "d".

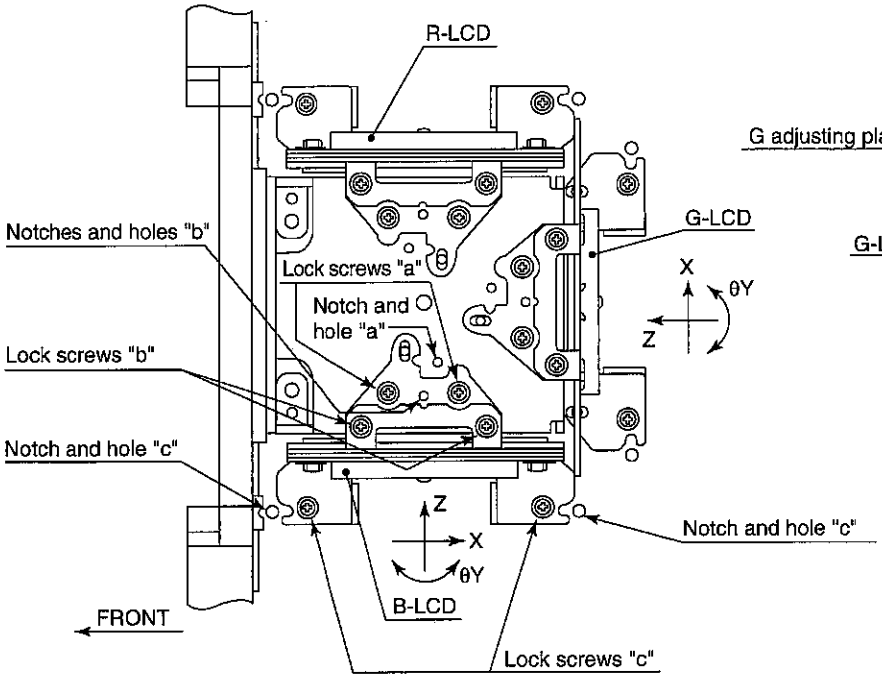
Notes :

① The eccentric cam is used for convergence adjustment. This means that the cam's turning and the linear movement are not always uniform.

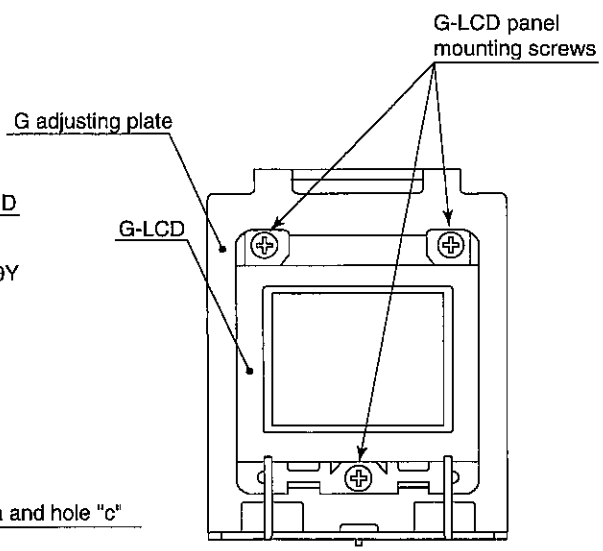
② This model is not equipped with the LCD image adjustment mechanism. This is because the dichroic prism is used for image formation. When the LCD panels all get into the best focus, the images are almost completely converged.

Convergence and Focus Adjustments Mechanism

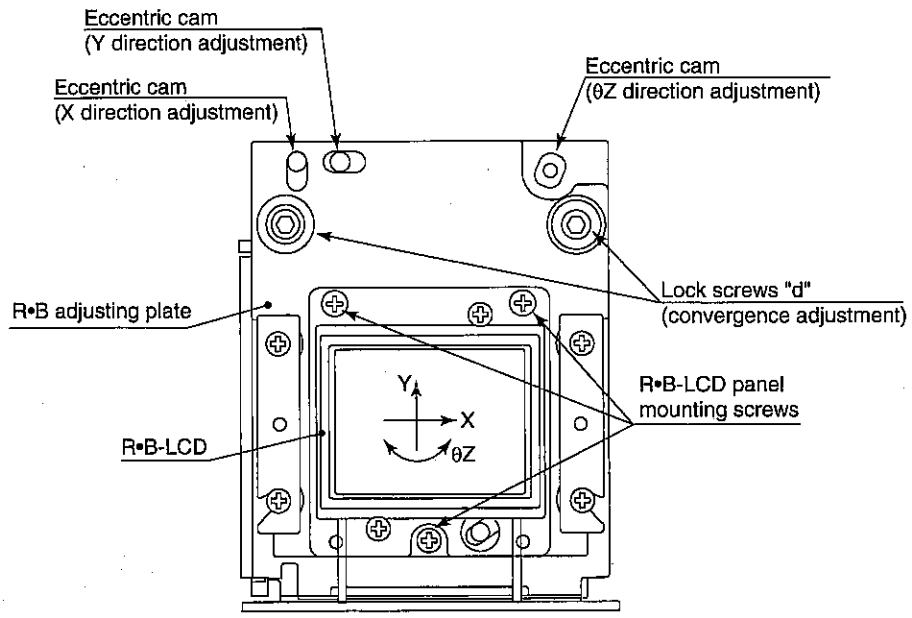
TOP VIEW



SIDE VIEW



SIDE VIEW



Convergence and Focus Adjustments at a Glance

Adjustment directions

Adjustment	Direction	Definition	Direction of LCD panel
Convergence	X direction		LCD right and left
	Y direction		LCD top and bottom
	θZ direction	Rotation around Z axis	LCD turning axis
Focus	Z direction		LCD optical axis
	θX direction	Rotation around X axis	LCD top-to-bottom flapping
	θY direction	Rotation around Y axis	LCD right-to-left flapping

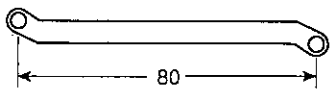
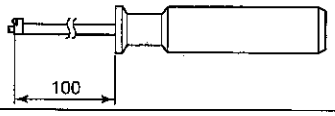
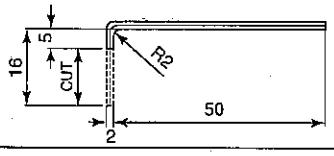
Convergence and Focus Adjustment for the XG-XV1E/A Optical Mechanism

Colour	Adjustment	Direction	Movement	Position	Adjusting tool	Lock screw	Tightening tool
R/B colours	Convergence	X direction	±1mm	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
		Y direction	±1mm	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
		θZ direction	±2°	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
	Focus	Z direction	±1.65mm	Notch and hole "a" & "c"	Eccentric screwdriver,	a, c	Phillips screwdriver
		θX direction	±2°	Notch and hole "a" & "c"		a, c	
		θY direction	±2°	Notch and hole "b" & "c"		b, c	
G colour	Focus	Z direction	±0.5mm	Same as for R and B colours			
		θX direction	±2°				
		θY direction	±2°				

Focus Adjustments the Other Way

Lock screw	Position	Related direction
a	Notch and hole "a"	Z and θX directions
b	Notch and hole "b"	θY direction
c	Notch and hole "c"	Z, θX and θY directions

Convergence and Focus Adjusting and Tightening Tools

Tool	Specific or General	Tool code	Configuration
Eccentric cam adjusting wrench	Specific	9DASPN-XGNV1U	
Eccentric screwdriver	Specific	9EQDRiVER-NV1A	
Hex wrench	General (redesigned)	9EQLNC-XGNV1U	
Phillips screwdriver	General	—	For M2.6 pan-head machine screw

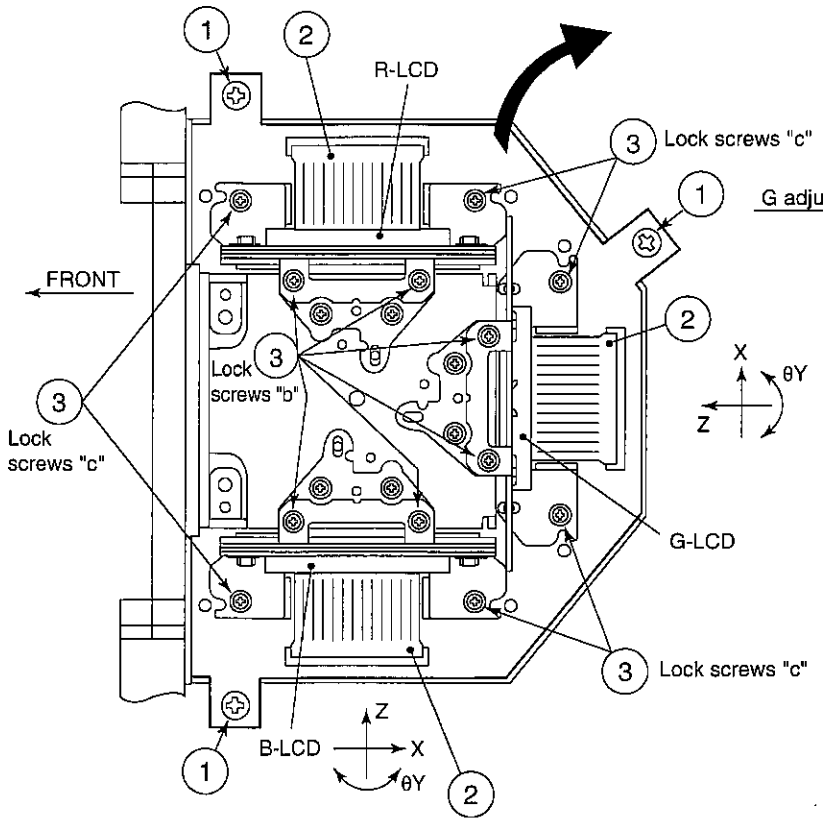
Replacing the LCDs

With the top cabinet removed

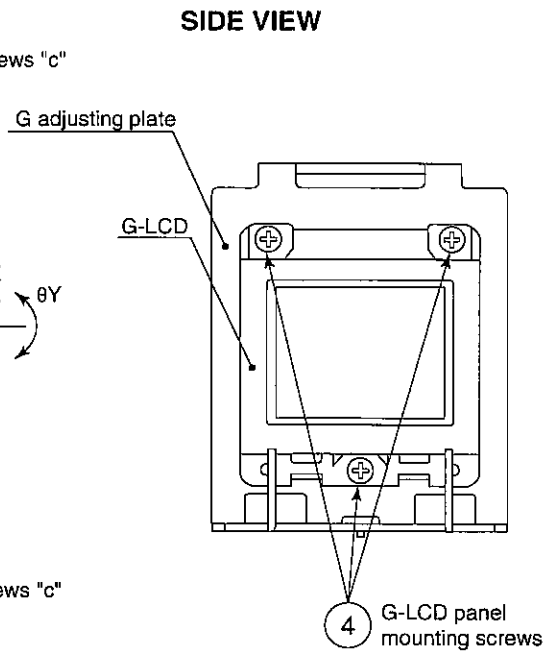
(1) Remove three screws off the output shield.
(2) Disconnect the LCD flat cable from the output PWB connector.
(3) Remove the lock screws "b" and "c". Detach the R/B adjusting plate or the G adjusting plate together with the LCD panel.
(4) Separate the LCD panel from the adjusting plate.
(5) Mount a new LCD panel in the reverse order of the above steps (1), (2), (3) and (4).

* Readjust the convergence and focus. Note that the G LCD panel needs no convergence adjustment and has a small adjustment range in the Z direction.

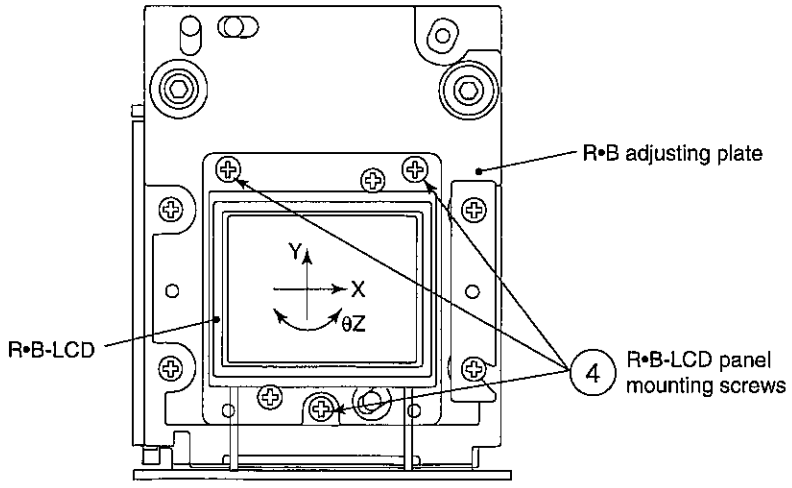
TOP VIEW



SIDE VIEW



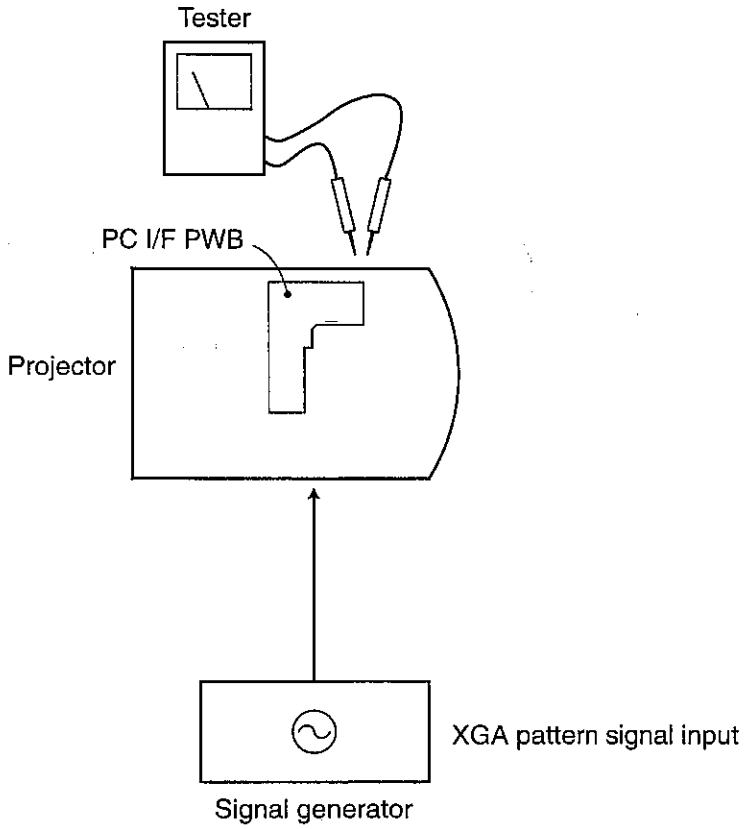
SIDE VIEW



VOLTAGE MEASUREMENT

Measuring procedure: PC I/F Unit (CPCi-0023CE01)

1. Feed the XGA pattern signal from the signal generator.
2. Using the tester, measure the voltage at each test point on the PC I/F PWB.

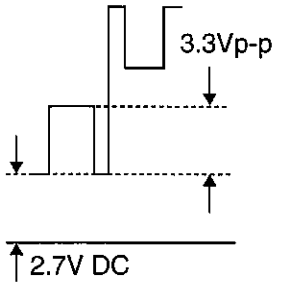
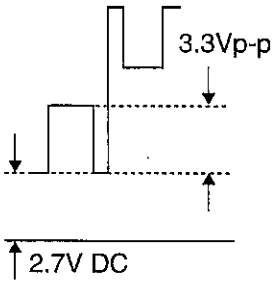


ELECTRICAL ADJUSTMENT

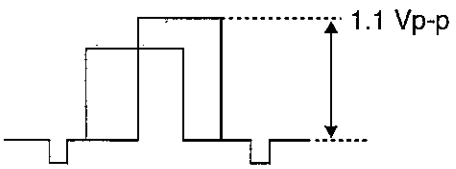
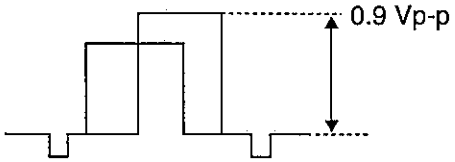
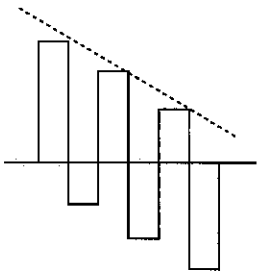
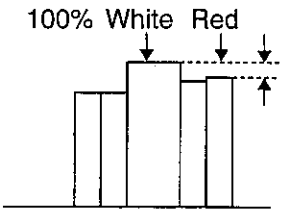
Hook up a signal generator, or a DOSV or Mac personal computer to the projector in order to feed the signals specified in the Adjusting conditions.

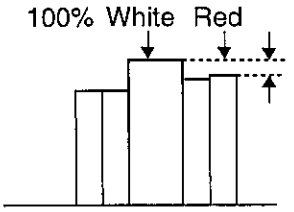
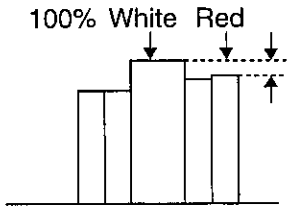
Note : All the adjusted data will be cleared by making the "FACTORY SETTING 1" or "FACTORY SETTING 2". Before using the previous data for adjustment, write down the modified data on a notepad or the like and then make the initialsettings.

No.	Adjusting point	Adjusting conditions	Adjusting procedure
1	**EEPROM in initialization (Note)**	1. Turn on the power (make sure the lamp lights up) and warm up the unit for 15 minutes.	• Make the following settings: Press S5001 to call up the process mode and execute S2 in the SSS menu. Now the system, with the PC board not included, is initialized. In order to make the PC board adjustments (Nos. 2, 3 and 4), execute S1. If not making those PC board adjustments, do not execute S1.
2	**PC board brightness adjustment**	1. Feed the XGA black signal. 2. Connect the oscilloscope to TP2. 3. Make the following choice: Group : OUTPUT 2 Subject : BRIGHT 4. Press the sound mute key to cancel the colour bar test pattern that is automatically outputted.	• Adjust the signal's black level to 1.7 V DC and add 10 points to then adjusted value.
3	**PC board AD converter reference voltage adjustment**	1. Group : A/D Subject : ROS, GOS, BOS.	• Adjust the positive-pole voltage of C64 to 1.7 V DC. • Similarly, adjust the positive-pole voltages of C57 and C50 in the subjects GOS and BOS, respectively.
4	**PC board drive adjustment**	1. Group : A/D Subject : Set GAIN value at 163. 2. Feed the XGA and gray scale signal. 3. Connect the oscilloscope to TP1. 4. Make the following choice: Group : A/D Subject : R-D	• Make adjustment so that the white peak level of the signal becomes 3.6 V DC. At this time, make sure that the waveform is not deformed at both the black side and white side. • Similarly, make adjustment for TP2 and TP3 in the subjects G-D and f B-D, respectively.

No.	Adjusting point	Adjusting conditions	Adjusting procedure
5	**RGB 1 system black level signal amplitude**	1. Make the following choice: Group : OUTPUT 1 Subject : R1-BLK R1-GAIN (The colour bar test pattern is outputted automatically.) For green, choose the subjects G1-BLK and G1-GAIN. For black, choose the subjects B1-BLK and B1-GAIN. 2. Connect the oscilloscope to pin (5)(TP1101) of SC1101 for red. Pin (5)(TP1201) of SC1201 for green Pin (5)(TP1301) of SC1301 for blue	• Choose the subject R1-BLK and adjust the black peak level to 2.7 ±0.1V DC using the membrane switch or the remote control button. • Next, choose the subject R1-GAIN and adjust the signal amplitude to 3.3 ±0.1 Vp-p. • Make the same adjustment for green and blue. 
6	**RGB 2 system black level signal amplitude**	1. Make the following choice: Group : OUTPUT 2 Subject : R2-BLK(R), R2-GAIN For green, choose the subjects G2-BLK and G2-GAIN. For black, choose the subjects B2-BLK and B2-GAIN. 2. Connect the oscilloscope to pin (6)(TP1102) of SC1101 for red. Pin (6)(TP1202) of SC1201 for green Pin (6)(TP1302) of SC1301 for blue	• Choose the subject R2-BLK and adjust the black peak level to 2.7 ±0.1V DC using the membrane switch or the remote control button. • Next, choose the subject R2-GAIN and adjust the signal amplitude to 3.3 ±0.1 Vp-p.  • Make the same adjustment for green and blue. • Feed the XGA gradation pattern single-colour signal and make sure that there is no difference in brightness between adjacent vertical lines. If there is a difference, make fine adjustment by choosing the following subjects. R2-GAIN for red G2-GAIN for green B2-GAIN for blue.
7	**Sample-and-hold pulse phase**	1. Feed the SXGA mode black signal. 2. Make the following choice: Group : OUTPUT 3 Subject : SH-PHASE	• Using the membrane switch or the remote control button, make such adjustment that the characters on the adjustment menu are least blurry or overlapped. (Make adjustment at the moment when the group name "OUTPUT3" appears and the subject name "SH-PHASE" is not yet indicated.)

No.	Adjusting point	Adjusting conditions	Adjusting procedure
8	**RGB counter-voltage adjustment**	1. Feed the black-and-red (25%) stripe signal (XGA). If such a pattern signal is not available, select the horizontal stripe signal from the desktop pattern menu. 2. Make the following choice: Group : OUTPUT 3 Subject : RC (R)	• Using the membrane switch or the remote control button, adjust the data in order to minimize the flicker. • Make the same adjustment for BC (B) and GC (G).
9	**RGB gradation regeneration adjustment**	1. Feed the XGA green-only gradation pattern (more than 16 steps) signal. Group : OUTPUT 1 Subject : G1-GAIN	• Adjust the G1-GAIN data until the first and second gradations can be slightly recognized. (First gradually raise the G1-GAIN level until the gradation gets recognized, and then adjust the level by lowering it again.)
10	**RGB white balance**	1. Feed the XGA gray scale signal. Group : OUTPUT 1 Subject : R1-BLK R1-GAIN (R) B1-BLK B1-GAIN (B)	• Choose the subjects R1-BLK and B1-BLK and adjust the black balance of the gradation. Choose the subjects R1-GAIN and B1-GAIN and adjust the gray-to-while balance (so that the entire screen looks colourless).
11	**NTSC 4fsc**	1. Choose the group VIDEO 1 to keep the unit without signal. 2. Select the colour system into N358. 3. Connect the frequency counter between TP401 and GND.	• Turn C450 to have the frequency counter read 14.31818 MHz ±50 Hz.
12	**PAL 4fsc**	1. Choose the group VIDEO 1 to keep the unit without signal. 2. Select the colour system into PAL. 3. Connect the frequency counter between TP401 and GND.	• Turn C446 to have the frequency counter read 17.734475 MHz ±50 Hz.
13	**Horizontal center**	1. Feed the NTSC monoscope pattern signal. Group : VIDEO 1 Subject : NTSC-H	• Using the membrane switch or the remote control button, adjust the data to have the same overscan.

No.	Adjusting point	Adjusting conditions	Adjusting procedure
14	**Video picture adjustment**	1. Make the following choice: Group : VIDEO 1 Subject : PICTURE 2. Connect the oscilloscope between pin (2) of P801 and GND.	• Using the membrane switch or the remote control button, adjust the black-to-white (100%) level difference to 1.1 ±0.02 Vp-p. 
15	**Video AGC**	1. Feed the NTSC split colour bar signal. Group : VIDEO 1 Subject : AGC 2. Connect the oscilloscope between pin (2) of P801 and GND.	• Using the membrane switch or the remote control button, adjust the black-to-white (100%) level difference to 0.9 ±0.02 Vpp. 
16	**Video brightness adjustment**	1. Feed the NTSC black signal. Group : VIDEO 1 Subject : BRIGHT 2. Press the membrane switch or the remote control's mute button (to set the gamma correction to the process setting).	• Using the membrane switch or the remote control button, decrease 2 points from the level where the black signal becomes bit-less (dotted).
17	**Tint**	1. Feed the NTSC colour bar signal. Group : VIDEO 1 Subject : TINT 2. Connect the oscilloscope to pin (5) of P801.	• Using the membrane switch or the remote control button, adjust the data to have the -(B-Y) waveform downhill straight. 
18	**NTSC colour saturation level**	1. Feed the NTSC colour bar signal. Group : VIDEO 1 Subject : N-COLOR 2. Connect the oscilloscope to pin (1) of P801.	• Using the membrane switch or the remote control button, adjust the difference between the 100% white portion and the red portion to 0.1 ±0.02 Vp-p. 

No.	Adjusting point	Adjusting conditions	Adjusting procedure
19	**PAL colour saturation level**	1. Feed the PAL colour bar signal. Group : VIDEO 1 Subject : P-COLOR 2. Connect the oscilloscope to pin (1) of P801.	• Using the membrane switch or the remote control button, adjust the difference between the 100% white portion and the red portion to 0.1 ±0.02 Vp-p. 
20	**SECAM colour saturation level**	1. Feed the SECAM colour bar signal. Group : VIDEO 1 Subject : S-COLOR 2. Connect the oscilloscope to pin (1) of P801.	• Using the membrane switch or the remote control button, adjust the data to have a level difference of 0.1 ±0.02 Vp-p between the 100% white portion and the red portion. 
21	**Video white balance**	1. Feed the NTSC monoscope pattern signal Group : VIDEO 2 Subject : R1-GAIN B1-GAIN	• Choose the subjects R1-GAIN and B1-GAIN, and make adjustment so that the entire screen looks evenly colourless. If the black side is not properly adjusted, first readjust the black side by making the following choice: Group : OUTPUT 1 Subject : R1-BLK B1-BLK Then, make the following choice: Group : VIDEO 2 Subject : R1-GAIN B1-GAIN Readjust the related data. Since the subjects R1-BLK and B1-BLK are common for the RGB input and VIDEO input, feed the RGB signal again to adjust the white balance.
22	**Colour system performance check**	1. Receive the colour bar signal.	• In the process mode, select L1. Check the colour and tint.
23	**Video system performance check**	1. Receive the monoscope pattern signal.	• In the process mode, select L2. Check the picture, brightness and sharpness.

No.	Adjusting point	Adjusting conditions	Adjusting procedure
24	**Audio system performance check**		• In the process mode, select L3. Check the bass, treble and balance.
25	**RGB performance check**	1. Receive the RGB signal.	• In the process mode, select L4. Check the picture, brightness, red, blue, clock, phase, horizontal position, and vertical position.
26	**Off-timer performance check**		• In the process mode, select OFF. Make sure that the off-timer starts with "5" (minutes), counts down each minute in 1 second, and turns off the set at "0".
27	**Lens shift adjustment**	1. Group : LENS Subject : LENS AUTO	• Adjust the lens center position (for the lens center to come to the △ mark on the front cabinet). • When the ENTER key is pressed after choosing the subject LENS AUTO, the data is fed automatically.
28	**Factory settings**		• Execute S4 of the group SSS to make the factory settings.

• Process adjustment mode menu

(Selection button: Mute key)

1) Main menu

ADJ IN Ver. 0.1
A/D
OUTPUT 1
OUTPUT 2
OUTPUT 3
VIDEO 1
VIDEO 2
LINE
SSS
PATTERN
LENS

2) A/D menu

A/D	
ROS	128
GOS	128
BOS	128
GAIN	128
R-D	128
B-D	128
G-D	128

This menu is to select the gamma setting for normal operation or for process operation. (Initial setting: ON)

3) OUTPUT1 menu

OUTPUT 1	
R1-BLK	128
R1-GAIN	128
G1-BLK	128
G1-GAIN	128
B1-BLK	128
B1-GAIN	128

This menu is to select the colour bar pattern display ON/OFF. (Initial setting: ON)

4) OUTPUT2 menu

OUTPUT 2	
R1-BLK	128
R1-GAIN	128
G1-BLK	128
G1-GAIN	128
B1-BLK	128
B1-GAIN	128

This menu is to select the colour bar pattern display ON/OFF. (Initial setting: ON)

5) OUTPUT3 menu

OUTPUT 3	
RC	128
GC	128
BC	128
SH-PHASE	8
RCK-PHASE	8
GCK-PHASE	8
BCK-PHASE	8

6) VIDEO1 menu

VIDEO 1	
NTSC-H	32
PICTURE	128
AGC	128
BRIGHT	128
TINT	128
N-COLOR	128
P-COLOR	128
S-COLOR	128

This menu is to select the gamma setting for usual operation or for process operation. (Initial setting: OFF)

7) VIDEO2 menu

VIDEO 2	
VROS	128
VGOS	128
VBOS	128
R-GAIN	128
B-GAIN	128

This menu is to select the gamma setting for usual operation or for process operation. (Initial setting: OFF)

8) LINE menu

LINE
L1
L2
L3
L4
OFF
TEMP OFF
TEMP CHECK

9) SSS menu

SSS	
TIME	Lamp on time display
S2	Initialization (EEPROM)
S3	Initialization (without blue background)
S4	Factory setting (English)
S5	Factory setting (Japanese)
LAMP TIME ON	

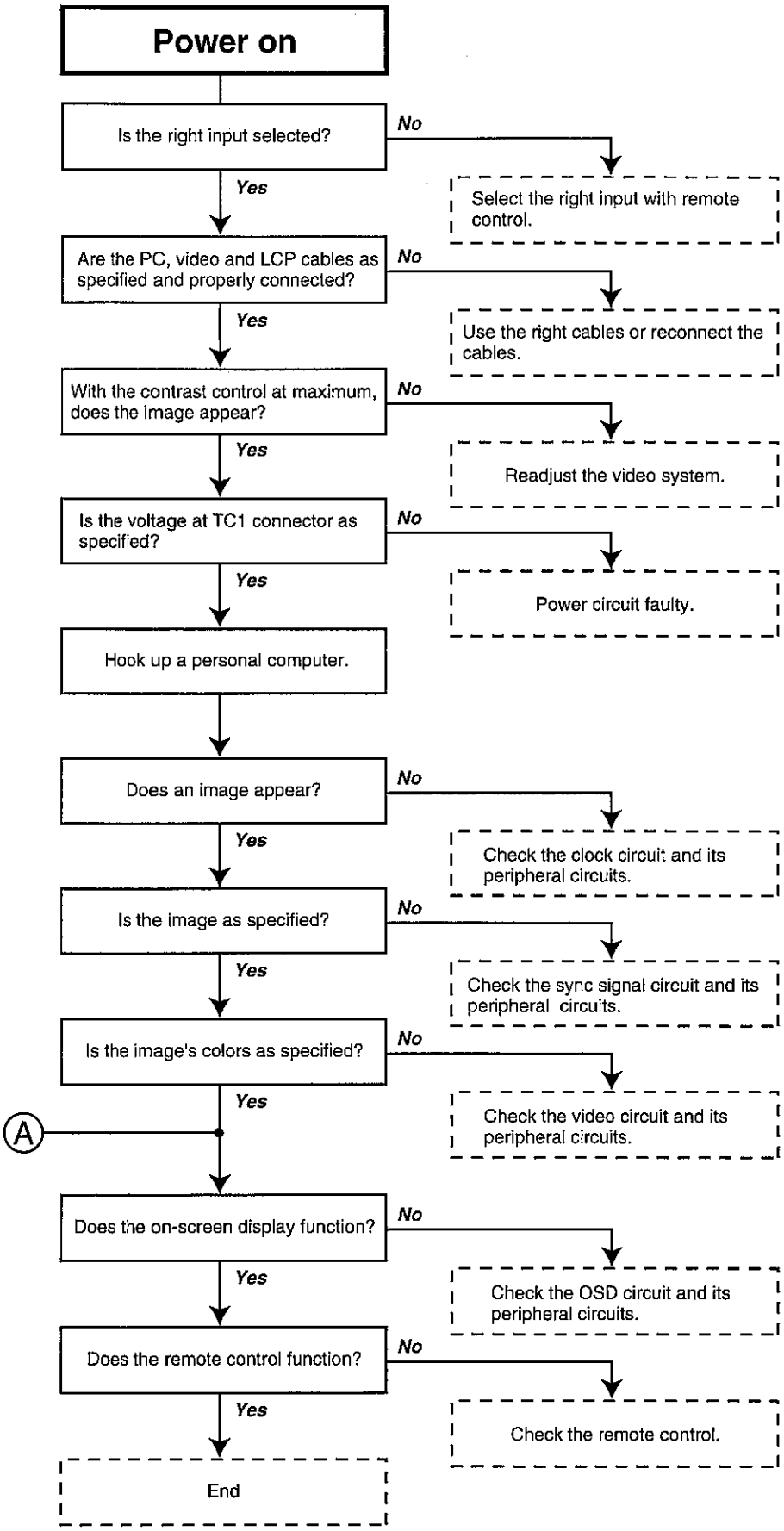
10) PATTERN menu

PATTERN		
RGB	1	Colors: Red - Green - Blue - White - Black - Magenta - Cyan - Yellow, in solid and cross-hatch pattern
CROSS	1	Lamp
RAMP		Step (8/16)
STEP		Colour bar
COLOR		Characters (Cross/ Backslash)
CHR		To manual mode
MANUAL		

11) LENS menu

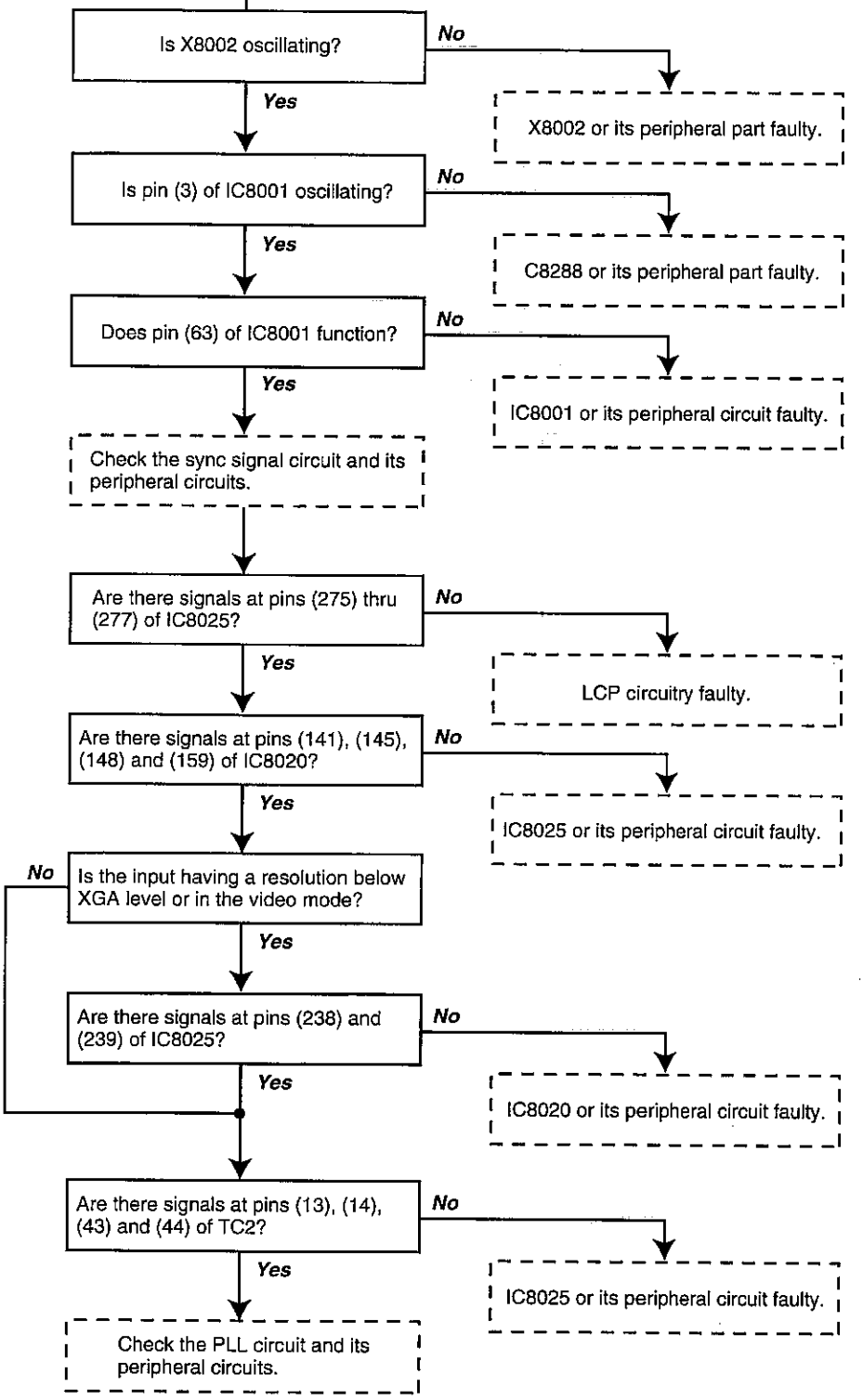
SSS	
TIME	
S2	
S3	
S4	
S5	
LAMP TIME ON	

TROUBLE SHOOTING TABLE



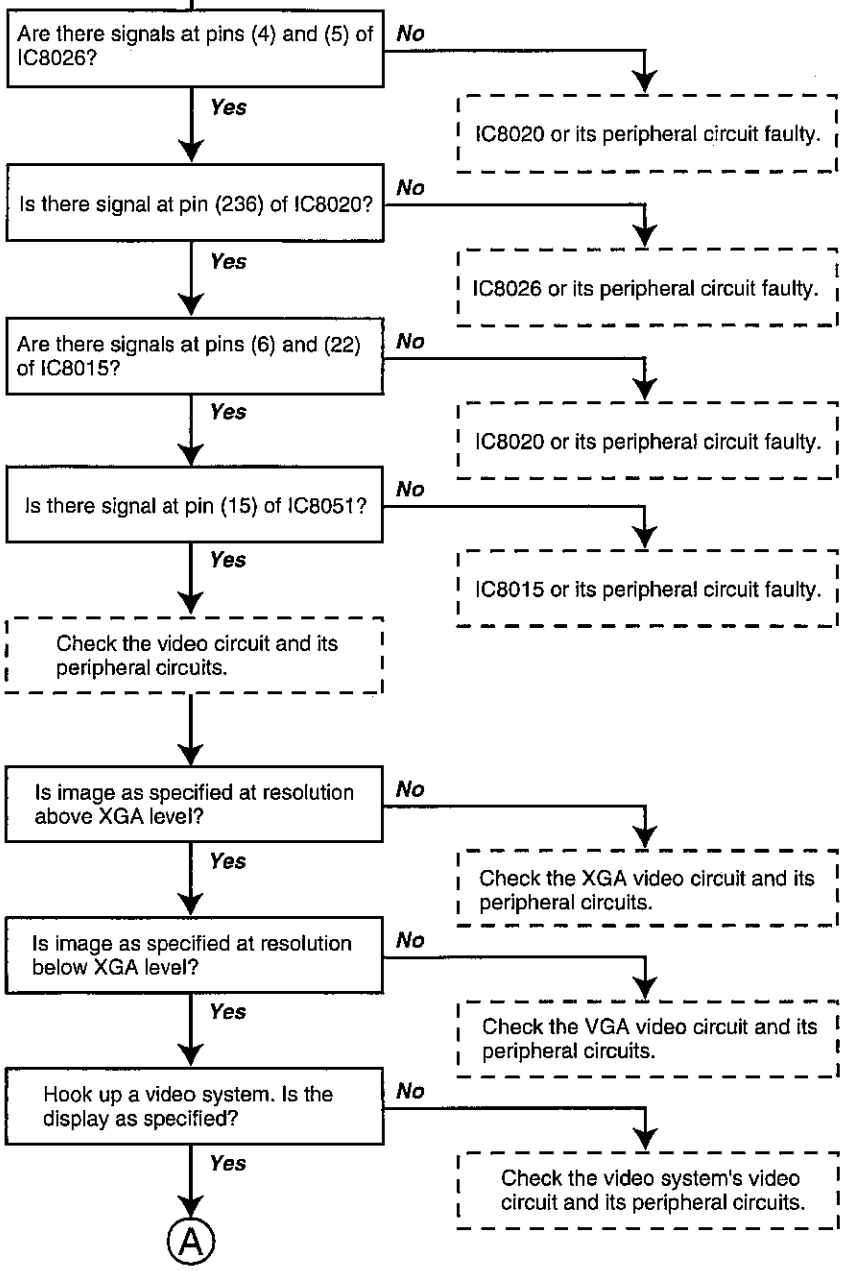
TROUBLE SHOOTING TABLE (Continued)

Checking the clock circuit and its peripheral circuits

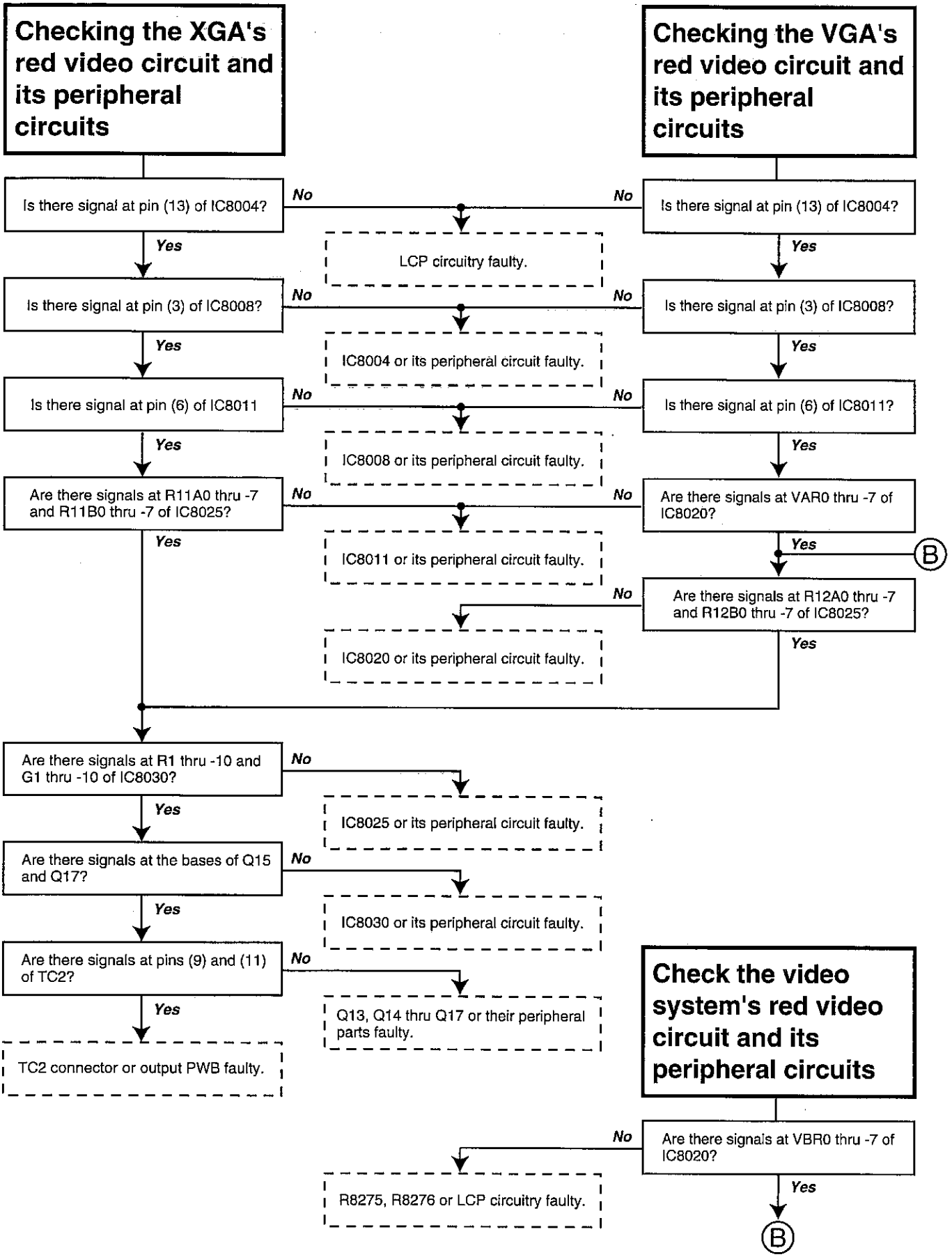

Is X8002 oscillating?
No
X8002 or its peripheral part faulty.
Yes
Is pin (3) of IC8001 oscillating?
No
C8288 or its peripheral part faulty.
Yes
Does pin (63) of IC8001 function?
No
IC8001 or its peripheral circuit faulty.
Yes
Check the sync signal circuit and its peripheral circuits.
Are there signals at pins (275) thru (277) of IC8025?
No
LCP circuitry faulty.
Yes
Are there signals at pins (141), (145), (148) and (159) of IC8020?
No
IC8025 or its peripheral circuit faulty.
Yes
No
Is the input having a resolution below XGA level or in the video mode?
Yes
Are there signals at pins (238) and (239) of IC8025?
No
IC8020 or its peripheral circuit faulty.
Yes
Are there signals at pins (13), (14), (43) and (44) of TC2?
No
IC8025 or its peripheral circuit faulty.
Yes
Check the PLL circuit and its peripheral circuits.

TROUBLE SHOOTING TABLE (Continued)

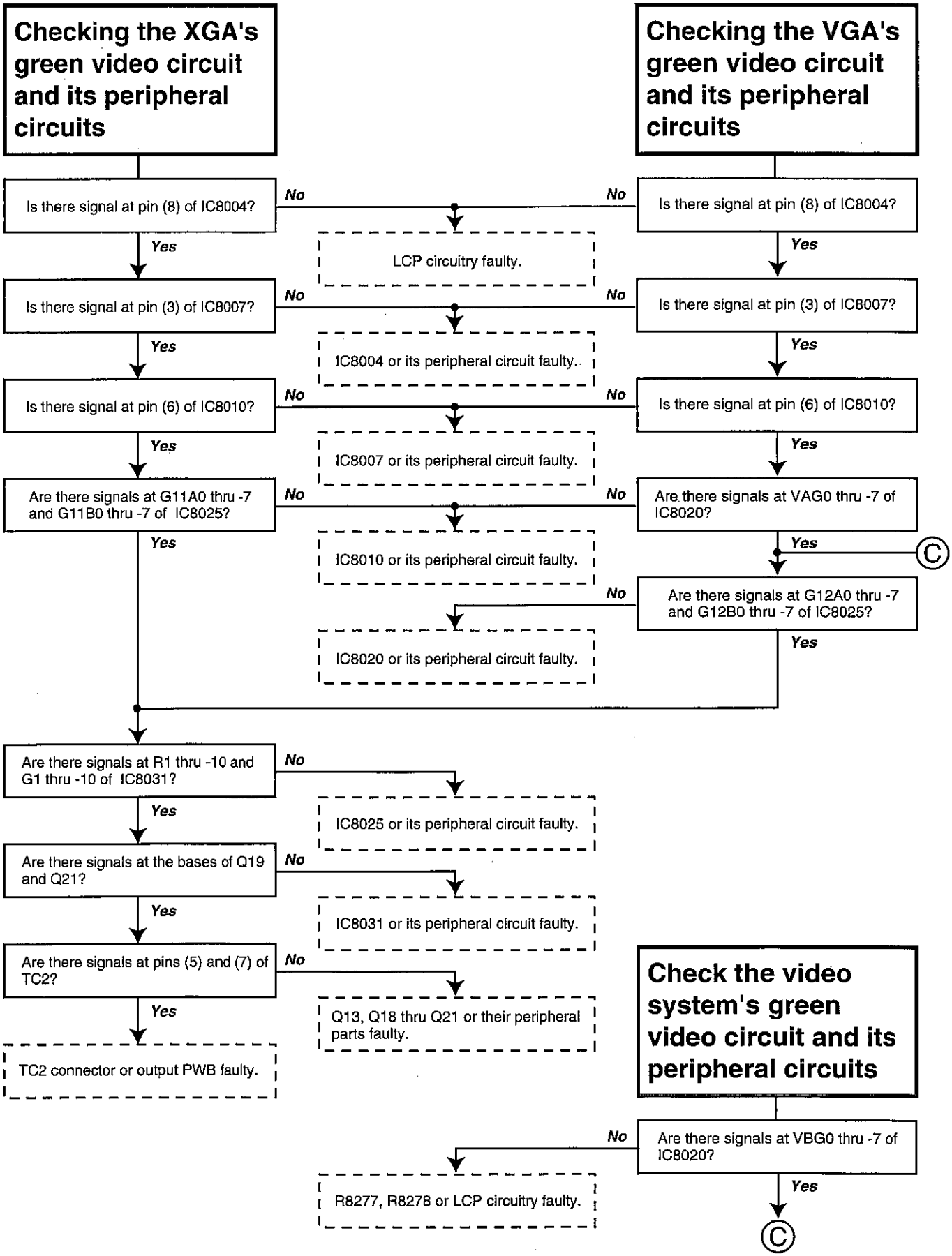
Checking the PLL circuit and its peripheral circuits


Are there signals at pins (4) and (5) of IC8026?
No
IC8020 or its peripheral circuit faulty.
Yes
Is there signal at pin (236) of IC8020?
No
IC8026 or its peripheral circuit faulty.
Yes
Are there signals at pins (6) and (22) of IC8015?
No
IC8020 or its peripheral circuit faulty.
Yes
Is there signal at pin (15) of IC8051?
No
IC8015 or its peripheral circuit faulty.
Yes
Check the video circuit and its peripheral circuits.
Is image as specified at resolution above XGA level?
No
Check the XGA video circuit and its peripheral circuits.
Yes
Is image as specified at resolution below XGA level?
No
Check the VGA video circuit and its peripheral circuits.
Yes
Hook up a video system. Is the display as specified?
No
Check the video system's video circuit and its peripheral circuits.
Yes
A

TROUBLE SHOOTING TABLE (Continued)


Checking the XGA's red video circuit and its peripheral circuits
Is there signal at pin (13) of IC8004?
No
LCP circuitry faulty.
Yes
Is there signal at pin (3) of IC8008?
No
IC8004 or its peripheral circuit faulty.
Yes
Is there signal at pin (6) of IC8011
No
IC8008 or its peripheral circuit faulty.
Yes
Are there signals at R11A0 thru -7 and R11B0 thru -7 of IC8025?
No
IC8011 or its peripheral circuit faulty.
Yes
Are there signals at R1 thru -10 and G1 thru -10 of IC8030?
No
IC8025 or its peripheral circuit faulty.
Yes
Are there signals at the bases of Q15 and Q17?
No
IC8030 or its peripheral circuit faulty.
Yes
Are there signals at pins (9) and (11) of TC2?
No
Q13, Q14 thru Q17 or their peripheral parts faulty.
Yes
TC2 connector or output PWB faulty.
Checking the VGA's red video circuit and its peripheral circuits
Is there signal at pin (13) of IC8004?
No
Yes
Is there signal at pin (3) of IC8008?
No
Yes
Is there signal at pin (6) of IC8011?
No
Yes
Are there signals at VAR0 thru -7 of IC8020?
No
Yes
B
Are there signals at R12A0 thru -7 and R12B0 thru -7 of IC8025?
No
IC8020 or its peripheral circuit faulty.
Yes
Check the video system's red video circuit and its peripheral circuits
Are there signals at VBR0 thru -7 of IC8020?
No
R8275, R8276 or LCP circuitry faulty.
Yes
B

TROUBLE SHOOTING TABLE (Continued)

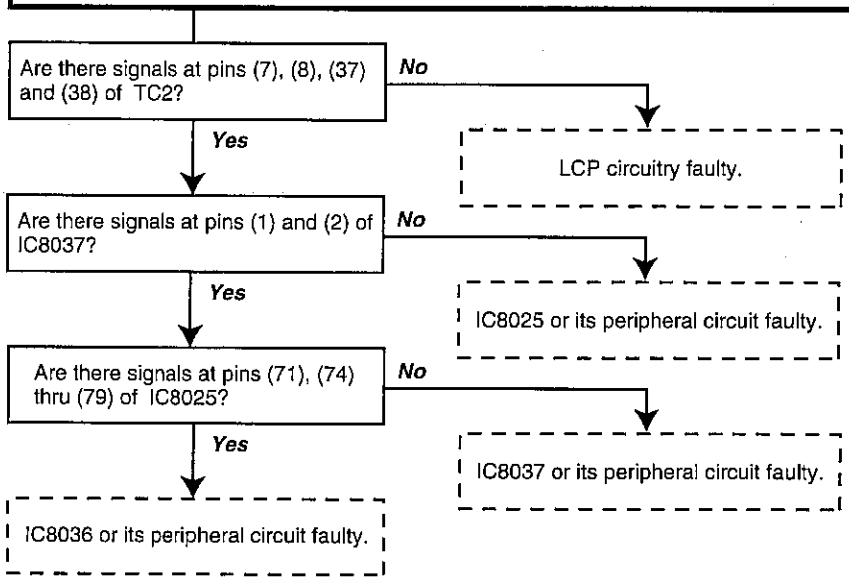

Checking the XGA's green video circuit and its peripheral circuits
Is there signal at pin (8) of IC8004?
No
LCP circuitry faulty.
Yes
Is there signal at pin (3) of IC8007?
No
IC8004 or its peripheral circuit faulty.
Yes
Is there signal at pin (6) of IC8010?
No
IC8007 or its peripheral circuit faulty.
Yes
Are there signals at G11A0 thru -7 and G11B0 thru -7 of IC8025?
No
IC8010 or its peripheral circuit faulty.
Yes
Are there signals at R1 thru -10 and G1 thru -10 of IC8031?
No
IC8025 or its peripheral circuit faulty.
Yes
Are there signals at the bases of Q19 and Q21?
No
IC8031 or its peripheral circuit faulty.
Yes
Are there signals at pins (5) and (7) of TC2?
No
Q13, Q18 thru Q21 or their peripheral parts faulty.
Yes
TC2 connector or output PWB faulty.
Checking the VGA's green video circuit and its peripheral circuits
Is there signal at pin (8) of IC8004?
No
Yes
Is there signal at pin (3) of IC8007?
No
Yes
Is there signal at pin (6) of IC8010?
No
Yes
Are there signals at VAG0 thru -7 of IC8020?
No
Yes
C
Are there signals at G12A0 thru -7 and G12B0 thru -7 of IC8025?
No
IC8020 or its peripheral circuit faulty.
Yes
Check the video system's green video circuit and its peripheral circuits
Are there signals at VBG0 thru -7 of IC8020?
No
R8277, R8278 or LCP circuitry faulty.
Yes
C

TROUBLE SHOOTING TABLE (Continued)

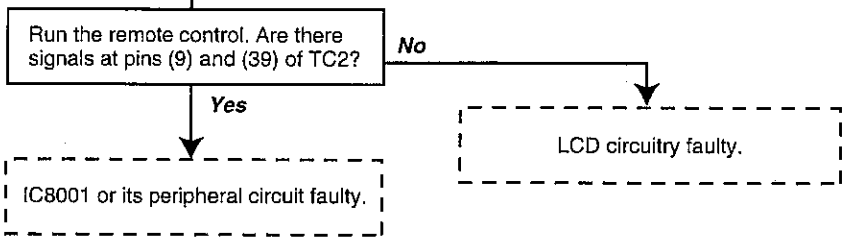
Checking the XGA's blue video circuit and its peripheral circuits
Is there signal at pin (3) of IC8004?
No
LCP circuitry faulty.
Yes
Is there signal at pin (3) of IC8006?
No
IC8004 or its peripheral circuit faulty.
Yes
Is there signal at pin (6) of IC8009?
No
IC8006 or its peripheral circuit faulty.
Yes
Are there signals at B11A0 thru -7 and B11B0 thru -7 of IC8025?
No
IC8009 or its peripheral circuit faulty.
Yes
Are there signals at R1 thru -10 and G1 thru -10 of IC8032?
No
IC8025 or its peripheral circuit faulty.
Yes
Are there signals at the bases of Q23 and Q25?
No
IC8032 or its peripheral circuit faulty.
Yes
Are there signals at pins (1) and (3) of TC2?
No
Q13, Q22 thru Q25 or their peripheral parts faulty.
Yes
TC2 connector or output PWB faulty.
Checking the VGA's blue video circuit and its peripheral circuits
Is there signal at pin (3) of IC8004?
No
Yes
Is there signal at pin (3) of IC8006?
No
Yes
Is there signal at pin (6) of IC8009?
No
Yes
Are there signals at VAB0 thru -7 of IC8020?
No
Yes
D
Are there signals at B12A0 thru -7 and B12B0 thru -7 of IC8025?
No
IC8020 or its peripheral circuit faulty.
Yes
Check the video system's blue video circuit and its peripheral circuits.
Are there signals at VBB0 thru -7 of IC8020?
No
R8279, R8280 or LCP circuitry faulty.
Yes
D

TROUBLE SHOOTING TABLE (Continued)

Checking the OSD circuit and its peripheral circuits

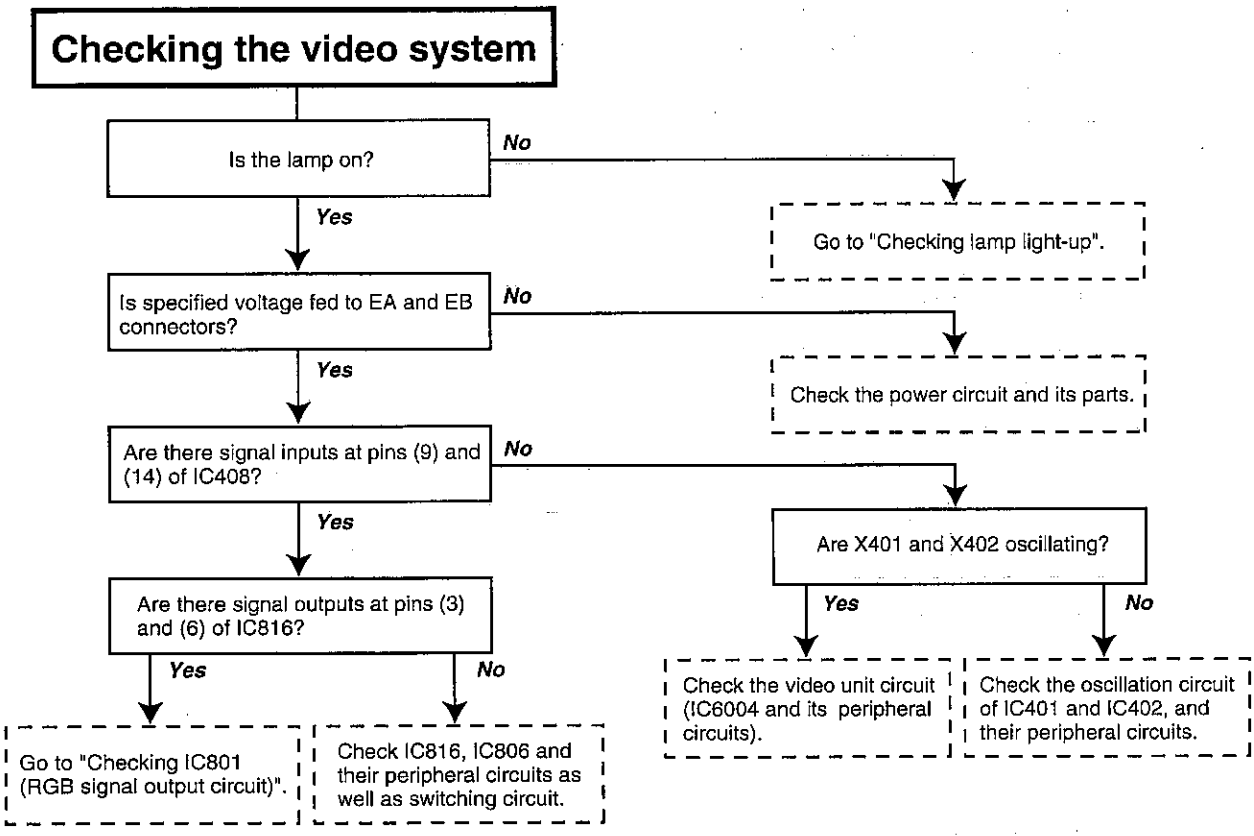

Are there signals at pins (7), (8), (37) and (38) of TC2?
No
LCP circuitry faulty.
Yes
Are there signals at pins (1) and (2) of IC8037?
No
IC8025 or its peripheral circuit faulty.
Yes
Are there signals at pins (71), (74) thru (79) of IC8025?
No
IC8037 or its peripheral circuit faulty.
Yes
IC8036 or its peripheral circuit faulty.

Checking the remote control

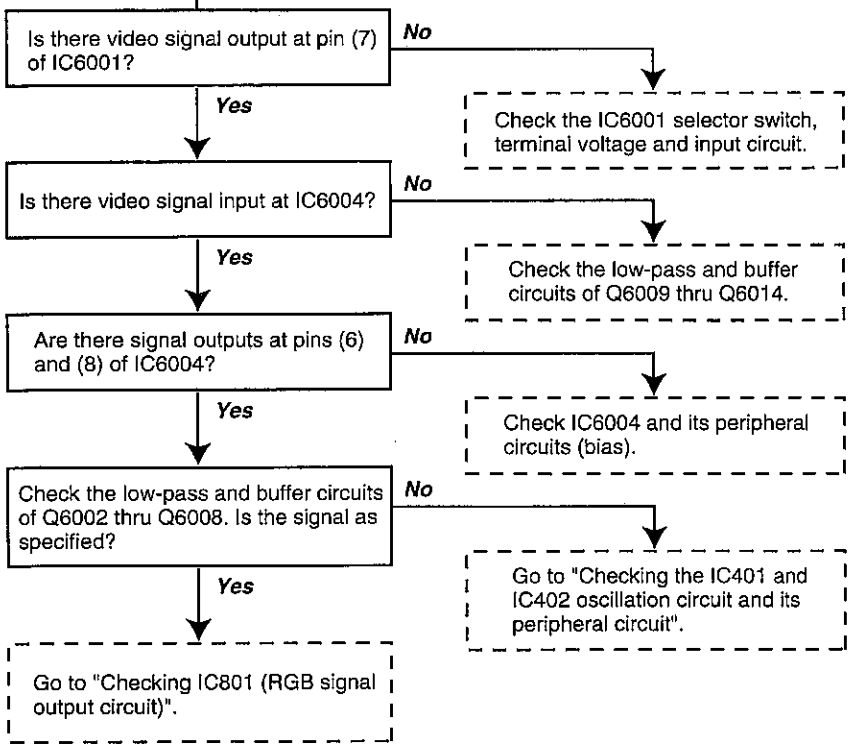

Run the remote control. Are there signals at pins (9) and (39) of TC2?
No
LCD circuitry faulty.
Yes
IC8001 or its peripheral circuit faulty.

TROUBLE SHOOTING TABLE (Continued)

Checking the video system

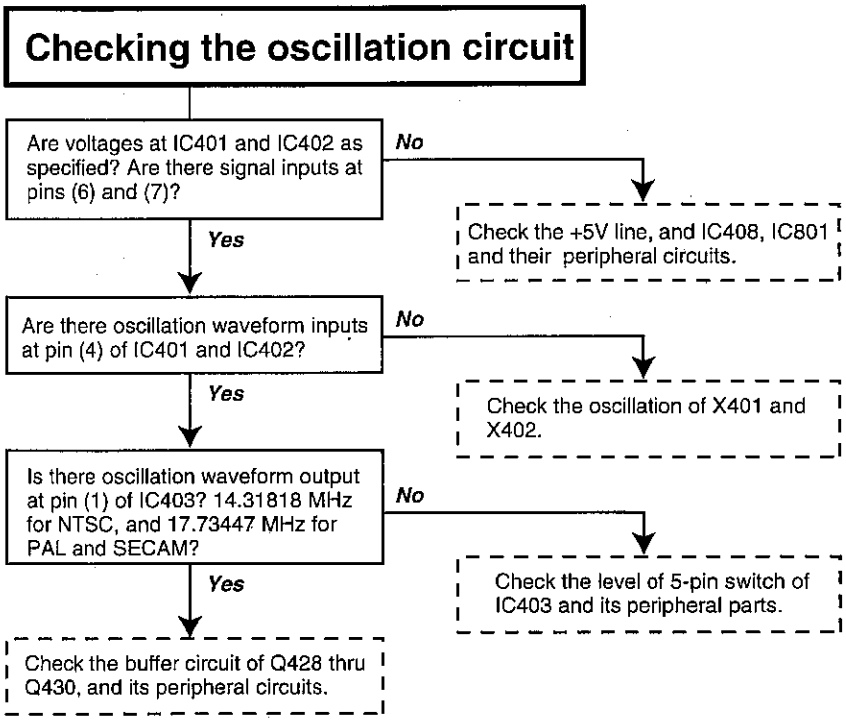

Is the lamp on?
No
Yes
Go to "Checking lamp light-up".
Is specified voltage fed to EA and EB connectors?
No
Yes
Check the power circuit and its parts.
Are there signal inputs at pins (9) and (14) of IC408?
No
Yes
Are X401 and X402 oscillating?
Yes
No
Are there signal outputs at pins (3) and (6) of IC816?
Yes
No
Check the video unit circuit (IC6004 and its peripheral circuits).
Check the oscillation circuit of IC401 and IC402, and their peripheral circuits.
Go to "Checking IC801 (RGB signal output circuit)".
Check IC816, IC806 and their peripheral circuits as well as switching circuit.

Checking the video unit circuit

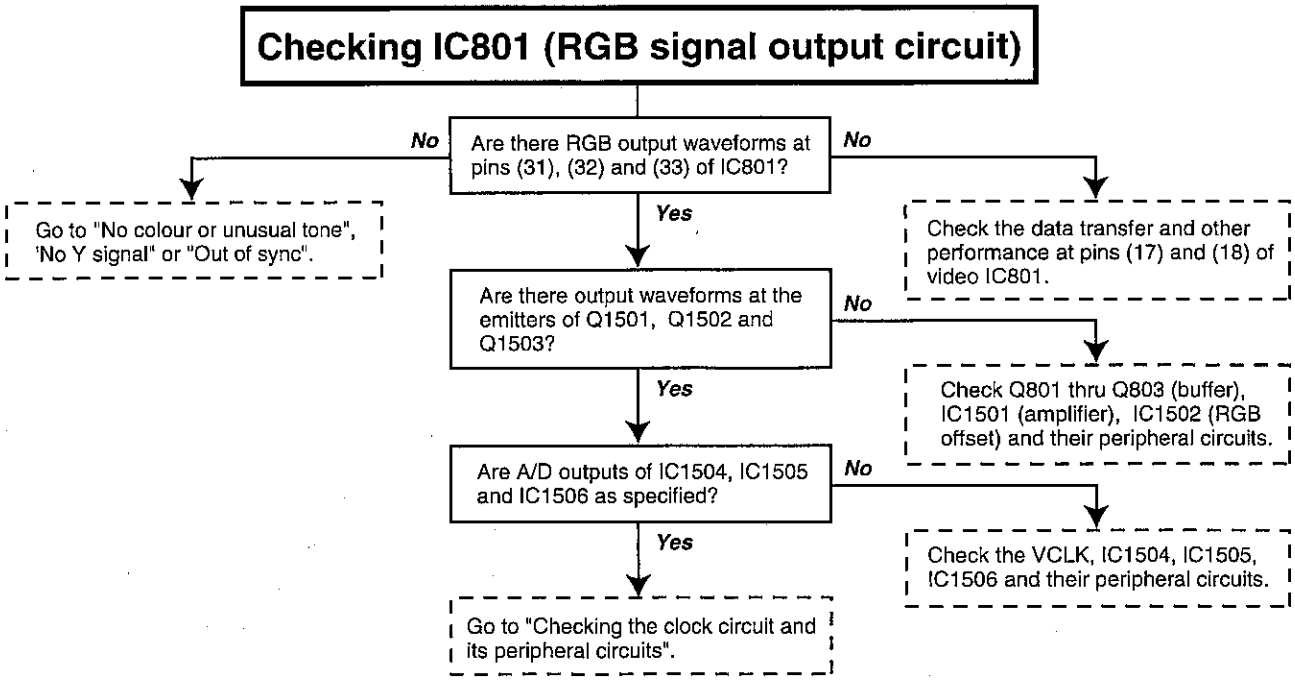

Is there video signal output at pin (7) of IC6001?
No
Yes
Check the IC6001 selector switch, terminal voltage and input circuit.
Is there video signal input at IC6004?
No
Yes
Check the low-pass and buffer circuits of Q6009 thru Q6014.
Are there signal outputs at pins (6) and (8) of IC6004?
No
Yes
Check IC6004 and its peripheral circuits (bias).
Check the low-pass and buffer circuits of Q6002 thru Q6008. Is the signal as specified?
No
Yes
Go to "Checking the IC401 and IC402 oscillation circuit and its peripheral circuit".
Go to "Checking IC801 (RGB signal output circuit)".

TROUBLE SHOOTING TABLE (Continued)

Checking the oscillation circuit

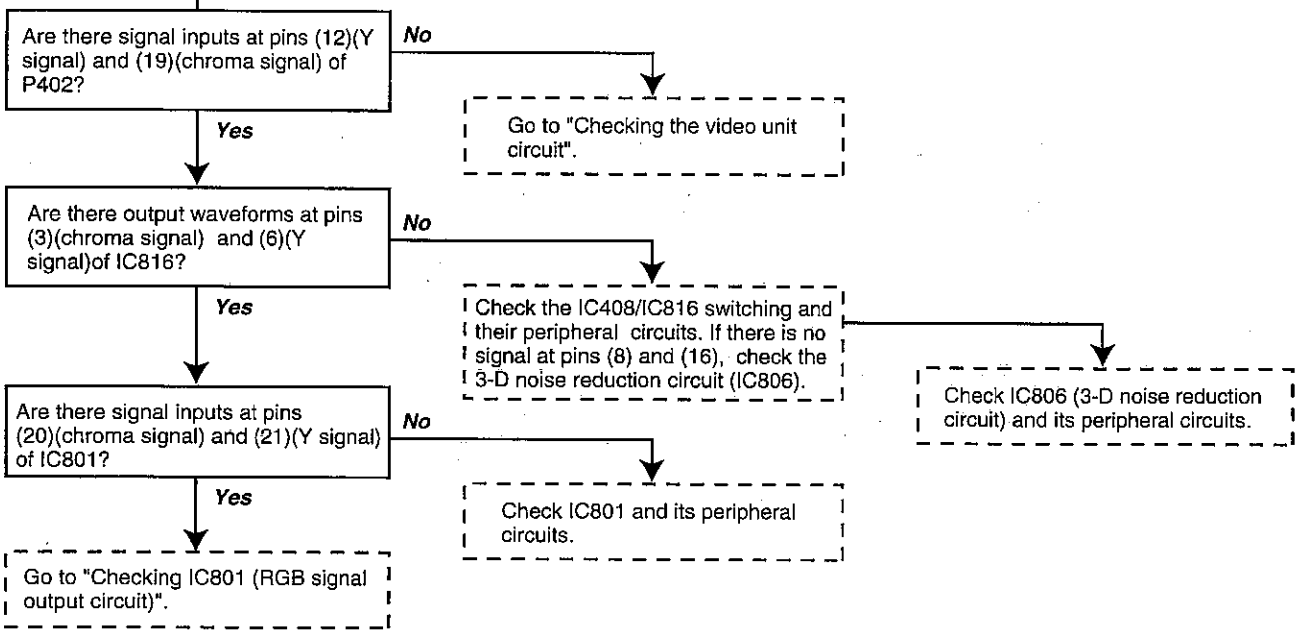

Are voltages at IC401 and IC402 as specified? Are there signal inputs at pins (6) and (7)?
No
Check the +5V line, and IC408, IC801 and their peripheral circuits.
Yes
Are there oscillation waveform inputs at pin (4) of IC401 and IC402?
No
Check the oscillation of X401 and X402.
Yes
Is there oscillation waveform output at pin (1) of IC403? 14.31818 MHz for NTSC, and 17.73447 MHz for PAL and SECAM?
No
Check the level of 5-pin switch of IC403 and its peripheral parts.
Yes
Check the buffer circuit of Q428 thru Q430, and its peripheral circuits.

Checking IC801 (RGB signal output circuit)

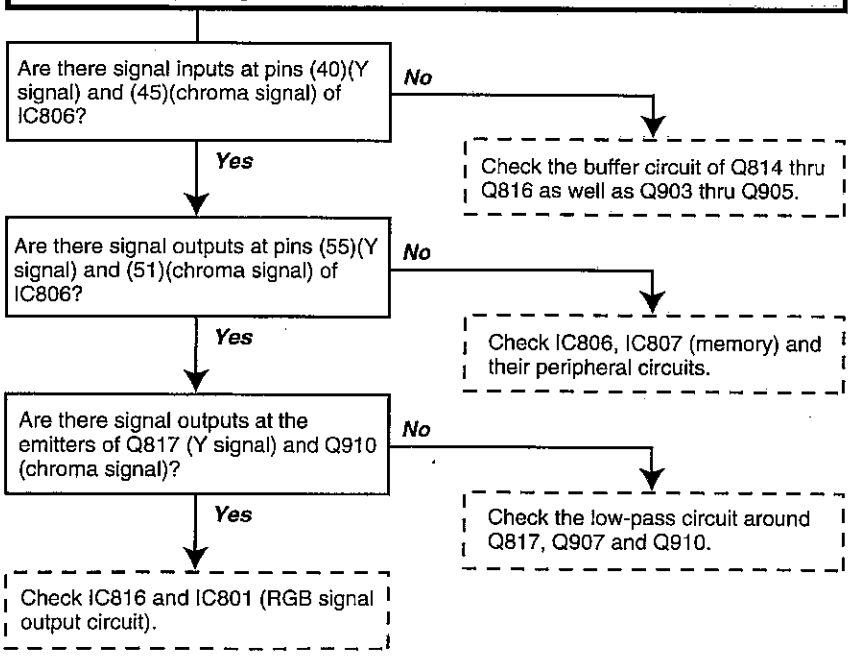

Are there RGB output waveforms at pins (31), (32) and (33) of IC801?
No
Go to "No colour or unusual tone", 'No Y signal" or "Out of sync".
No
Check the data transfer and other performance at pins (17) and (18) of video IC801.
Yes
Are there output waveforms at the emitters of Q1501, Q1502 and Q1503?
No
Check Q801 thru Q803 (buffer), IC1501 (amplifier), IC1502 (RGB offset) and their peripheral circuits.
Yes
Are A/D outputs of IC1504, IC1505 and IC1506 as specified?
No
Check the VCLK, IC1504, IC1505, IC1506 and their peripheral circuits.
Yes
Go to "Checking the clock circuit and its peripheral circuits".

TROUBLE SHOOTING TABLE (Continued)

Checking the chroma and Y signals of IC801 (RGB signal output)

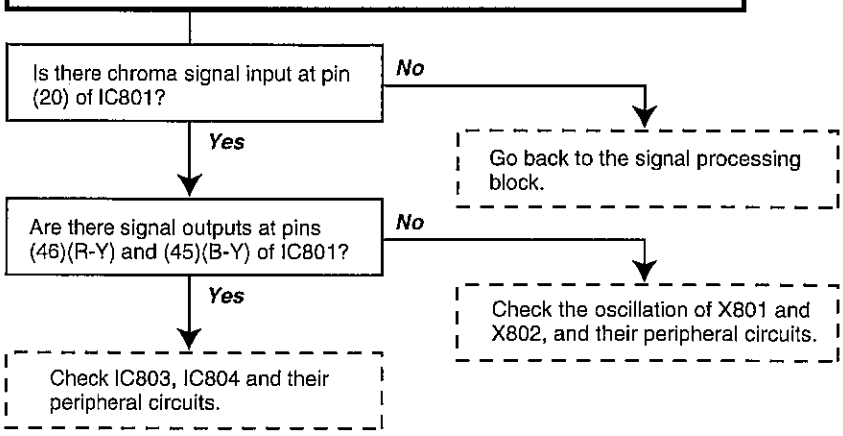

Are there signal inputs at pins (12)(Y signal) and (19)(chroma signal) of P402?
No
Go to "Checking the video unit circuit".
Yes
Are there output waveforms at pins (3)(chroma signal) and (6)(Y signal)of IC816?
No
Check the IC408/IC816 switching and their peripheral circuits. If there is no signal at pins (8) and (16), check the 3-D noise reduction circuit (IC806).
Check IC806 (3-D noise reduction circuit) and its peripheral circuits.
Yes
Are there signal inputs at pins (20)(chroma signal) and (21)(Y signal) of IC801?
No
Check IC801 and its peripheral circuits.
Yes
Go to "Checking IC801 (RGB signal output circuit)".

Checking IC806 (3-D noise reduction circuit) and its peripheral circuits

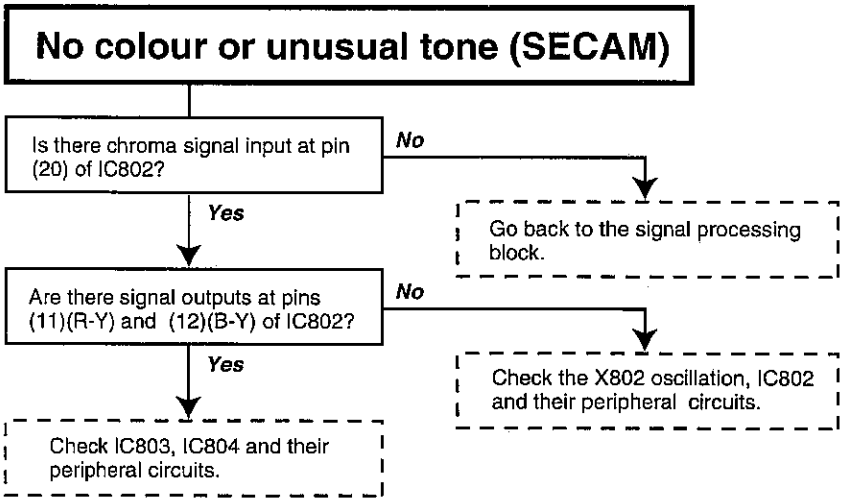

Are there signal inputs at pins (40)(Y signal) and (45)(chroma signal) of IC806?
No
Check the buffer circuit of Q814 thru Q816 as well as Q903 thru Q905.
Yes
Are there signal outputs at pins (55)(Y signal) and (51)(chroma signal) of IC806?
No
Check IC806, IC807 (memory) and their peripheral circuits.
Yes
Are there signal outputs at the emitters of Q817 (Y signal) and Q910 (chroma signal)?
No
Check the low-pass circuit around Q817, Q907 and Q910.
Yes
Check IC816 and IC801 (RGB signal output circuit).

TROUBLE SHOOTING TABLE (Continued)

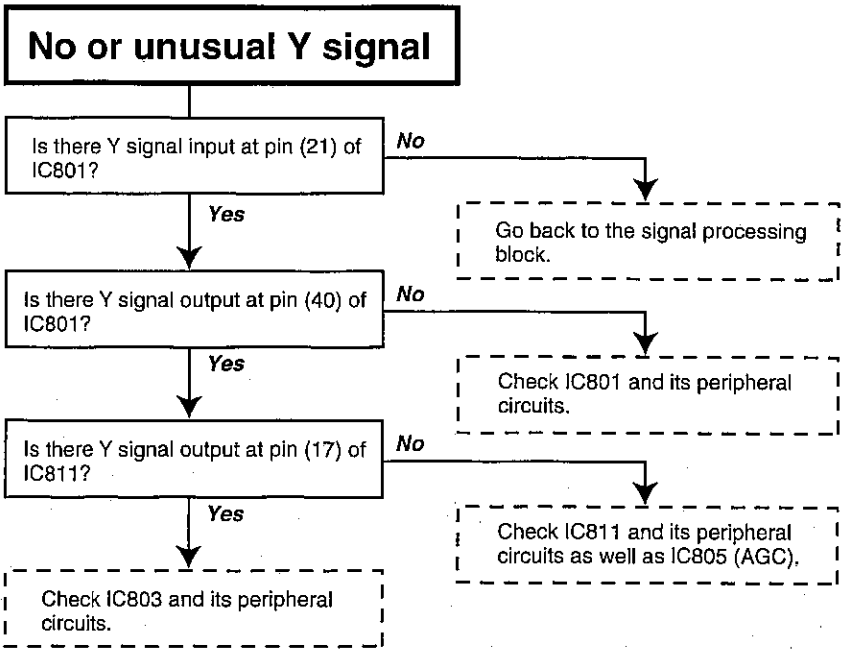
No colour or unusual tone (NTSC, PAL)


Is there chroma signal input at pin (20) of IC801?
No
Yes
Go back to the signal processing block.
Are there signal outputs at pins (46)(R-Y) and (45)(B-Y) of IC801?
No
Yes
Check the oscillation of X801 and X802, and their peripheral circuits.
Check IC803, IC804 and their peripheral circuits.

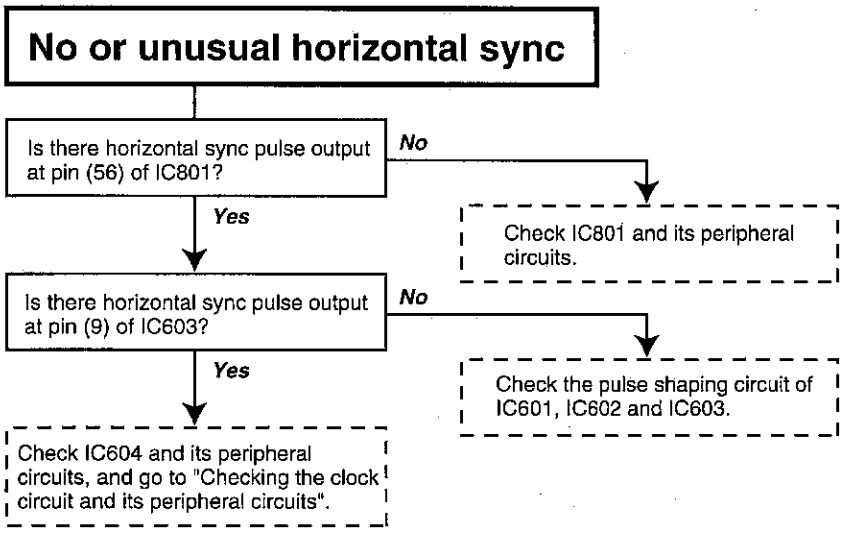
No colour or unusual tone (SECAM)

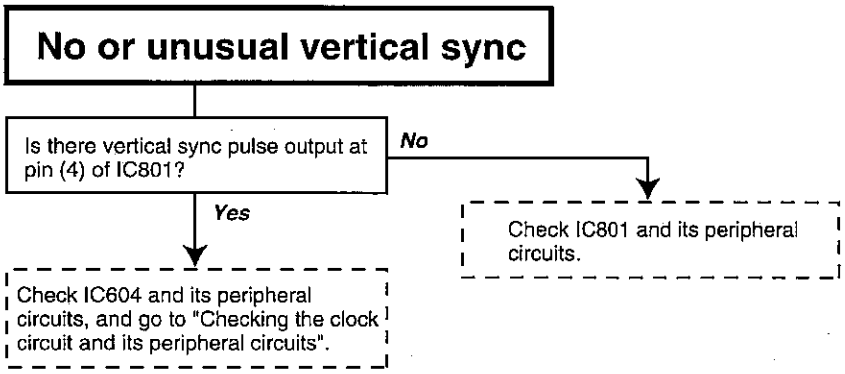

Is there chroma signal input at pin (20) of IC802?
No
Yes
Go back to the signal processing block.
Are there signal outputs at pins (11)(R-Y) and (12)(B-Y) of IC802?
No
Yes
Check the X802 oscillation, IC802 and their peripheral circuits.
Check IC803, IC804 and their peripheral circuits.

No or unusual Y signal

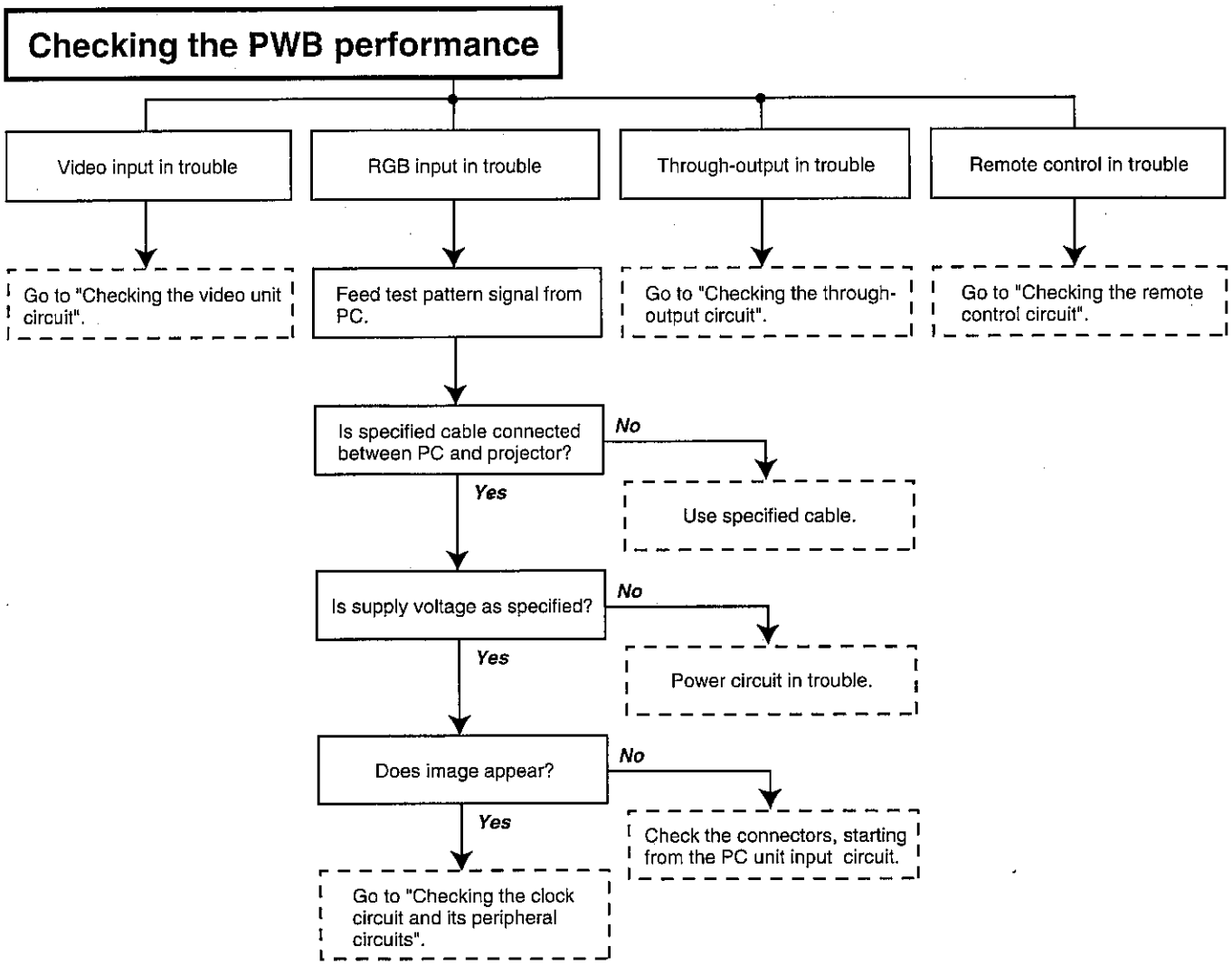

Is there Y signal input at pin (21) of IC801?
No
Yes
Go back to the signal processing block.
Is there Y signal output at pin (40) of IC801?
No
Yes
Check IC801 and its peripheral circuits.
Is there Y signal output at pin (17) of IC811?
No
Yes
Check IC811 and its peripheral circuits as well as IC805 (AGC).
Check IC803 and its peripheral circuits.

TROUBLE SHOOTING TABLE (Continued)

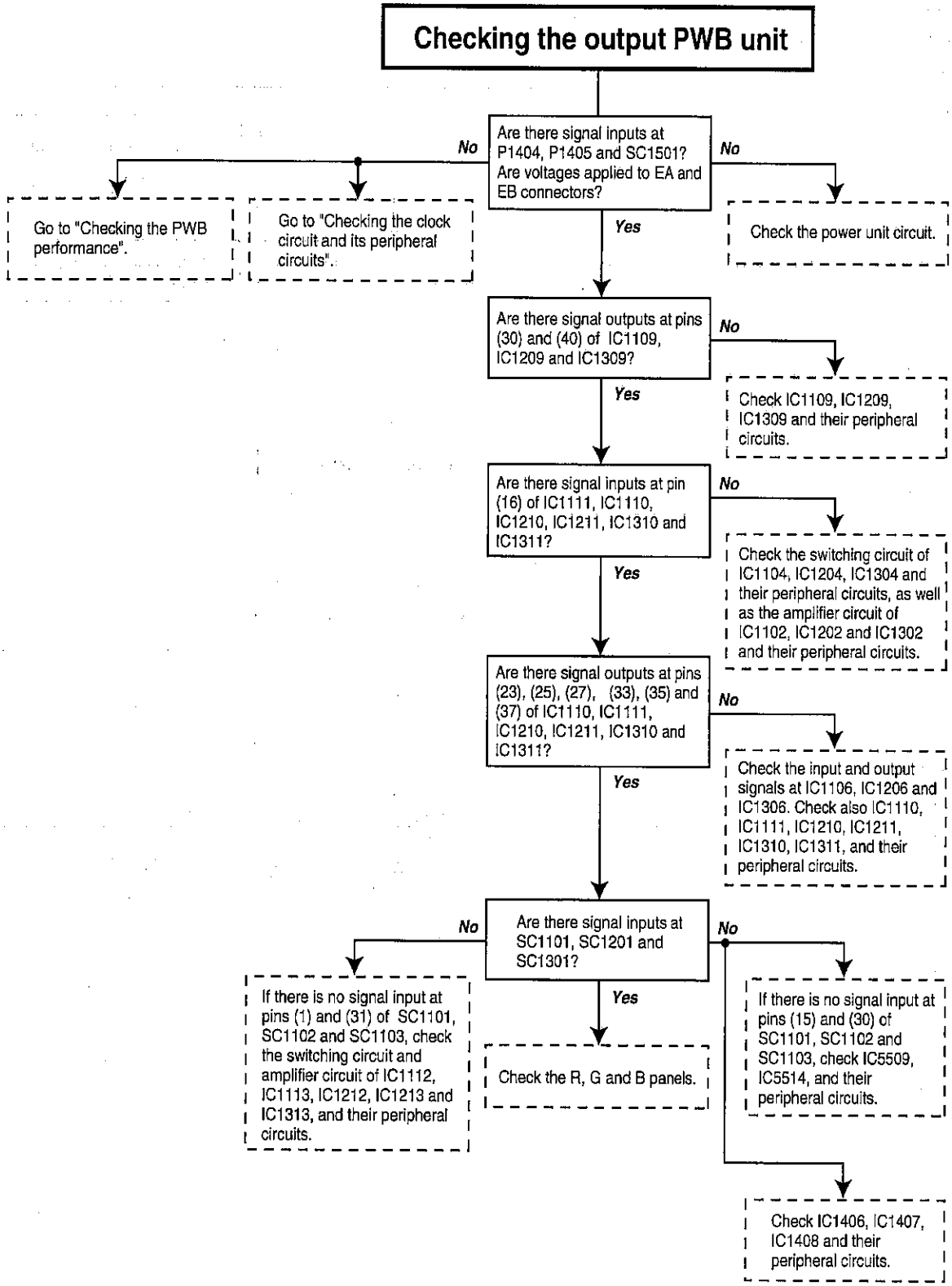

No or unusual horizontal sync
Is there horizontal sync pulse output at pin (56) of IC801?
No
Yes
Check IC801 and its peripheral circuits.
Is there horizontal sync pulse output at pin (9) of IC603?
No
Yes
Check the pulse shaping circuit of IC601, IC602 and IC603.
Check IC604 and its peripheral circuits, and go to "Checking the clock circuit and its peripheral circuits".


No or unusual vertical sync
Is there vertical sync pulse output at pin (4) of IC801?
No
Yes
Check IC801 and its peripheral circuits.
Check IC604 and its peripheral circuits, and go to "Checking the clock circuit and its peripheral circuits".

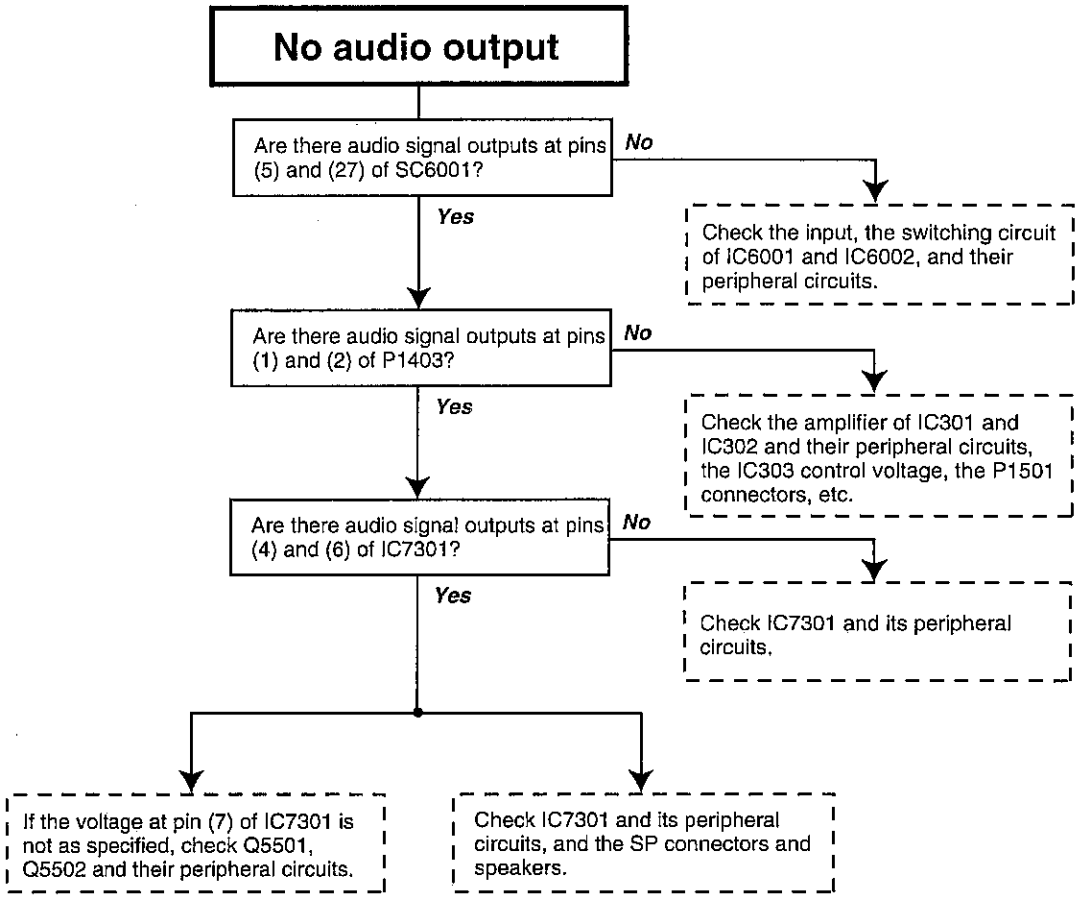
TROUBLE SHOOTING TABLE (Continued)


Checking the PWB performance
Video input in trouble
RGB input in trouble
Through-output in trouble
Remote control in trouble
Go to "Checking the video unit circuit".
Feed test pattern signal from PC.
Go to "Checking the through-output circuit".
Go to "Checking the remote control circuit".
Is specified cable connected between PC and projector?
No
Use specified cable.
Yes
Is supply voltage as specified?
No
Power circuit in trouble.
Yes
Does image appear?
No
Check the connectors, starting from the PC unit input circuit.
Yes
Go to "Checking the clock circuit and its peripheral circuits".

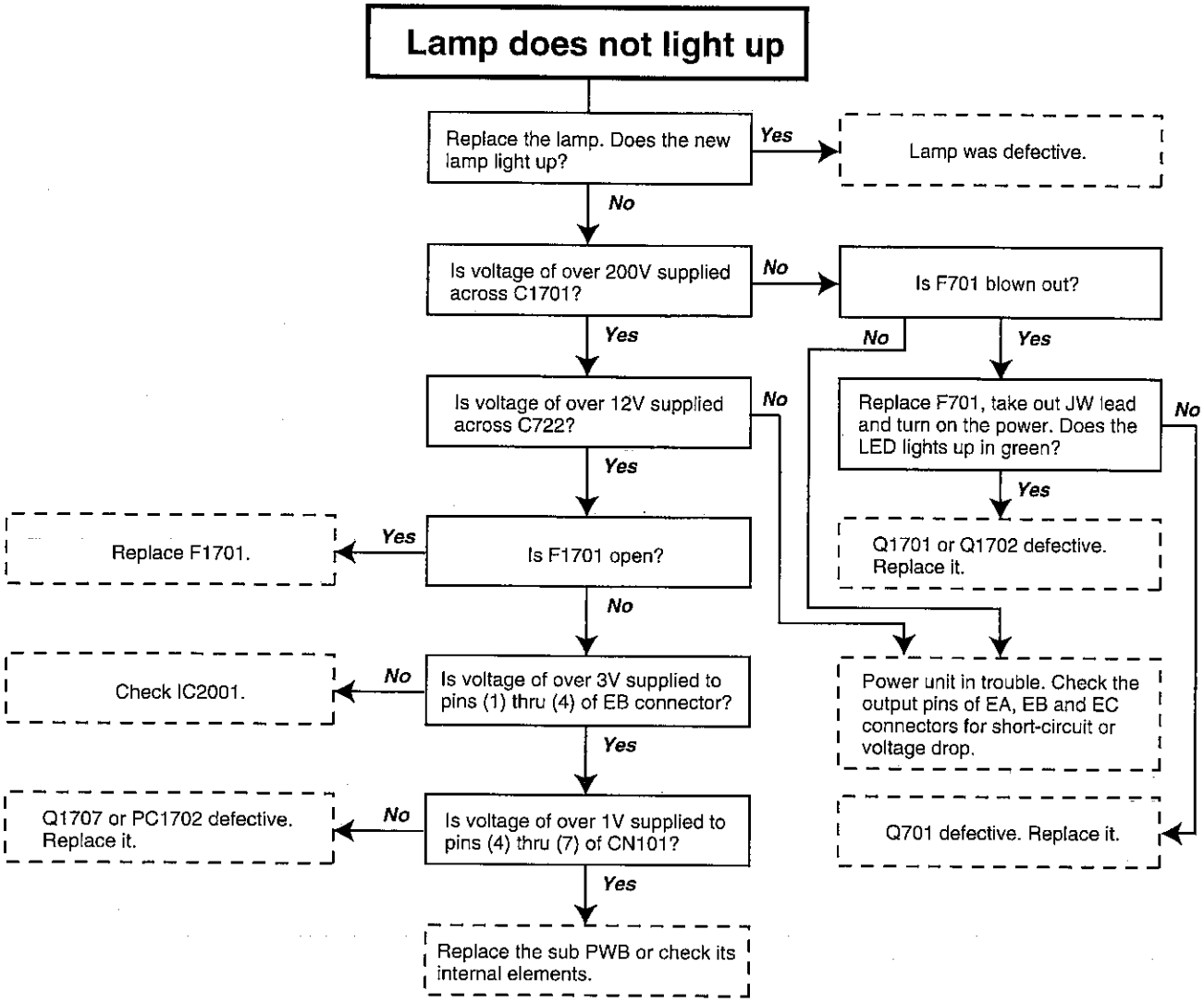
TROUBLE SHOOTING TABLE (Continued)

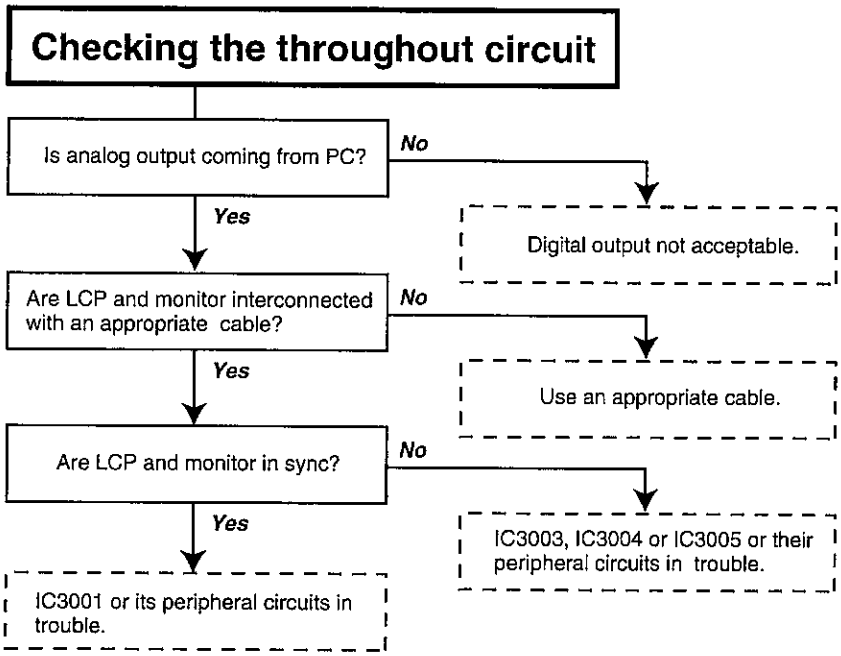

Checking the output PWB unit
Are there signal inputs at P1404, P1405 and SC1501? Are voltages applied to EA and EB connectors?
No
Go to "Checking the PWB performance".
Go to "Checking the clock circuit and its peripheral circuits".
No
Check the power unit circuit.
Yes
Are there signal outputs at pins (30) and (40) of IC1109, IC1209 and IC1309?
No
Check IC1109, IC1209, IC1309 and their peripheral circuits.
Yes
Are there signal inputs at pin (16) of IC1111, IC1110, IC1210, IC1211, IC1310 and IC1311?
No
Check the switching circuit of IC1104, IC1204, IC1304 and their peripheral circuits, as well as the amplifier circuit of IC1102, IC1202 and IC1302 and their peripheral circuits.
Yes
Are there signal outputs at pins (23), (25), (27), (33), (35) and (37) of IC1110, IC1111, IC1210, IC1211, IC1310 and IC1311?
No
Check the input and output signals at IC1106, IC1206 and IC1306. Check also IC1110, IC1111, IC1210, IC1211, IC1310, IC1311, and their peripheral circuits.
Yes
Are there signal inputs at SC1101, SC1201 and SC1301?
No
If there is no signal input at pins (1) and (31) of SC1101, SC1102 and SC1103, check the switching circuit and amplifier circuit of IC1112, IC1113, IC1212, IC1213 and IC1313, and their peripheral circuits.
Yes
Check the R, G and B panels.
No
If there is no signal input at pins (15) and (30) of SC1101, SC1102 and SC1103, check IC5509, IC5514, and their peripheral circuits.
Check IC1406, IC1407, IC1408 and their peripheral circuits.

TROUBLE SHOOTING TABLE (Continued)


No audio output
Are there audio signal outputs at pins (5) and (27) of SC6001?
No
Yes
Check the input, the switching circuit of IC6001 and IC6002, and their peripheral circuits.
Are there audio signal outputs at pins (1) and (2) of P1403?
No
Yes
Check the amplifier of IC301 and IC302 and their peripheral circuits, the IC303 control voltage, the P1501 connectors, etc.
Are there audio signal outputs at pins (4) and (6) of IC7301?
No
Yes
Check IC7301 and its peripheral circuits.
If the voltage at pin (7) of IC7301 is not as specified, check Q5501, Q5502 and their peripheral circuits.
Check IC7301 and its peripheral circuits, and the SP connectors and speakers.

TROUBLE SHOOTING TABLE (Continued)


Lamp does not light up
Replace the lamp. Does the new lamp light up?
Yes
Lamp was defective.
No
Is voltage of over 200V supplied across C1701?
No
Is F701 blown out?
Yes
No
Yes
Is voltage of over 12V supplied across C722?
No
Replace F701, take out JW lead and turn on the power. Does the LED lights up in green?
No
Yes
Yes
Q1701 or Q1702 defective. Replace it.
Replace F1701.
Yes
Is F1701 open?
No
Check IC2001.
No
Is voltage of over 3V supplied to pins (1) thru (4) of EB connector?
Power unit in trouble. Check the output pins of EA, EB and EC connectors for short-circuit or voltage drop.
Yes
Q1707 or PC1702 defective. Replace it.
No
Is voltage of over 1V supplied to pins (4) thru (7) of CN101?
Q701 defective. Replace it.
Yes
Replace the sub PWB or check its internal elements.


Checking the throughout circuit
Is analog output coming from PC?
No
Digital output not acceptable.
Yes
Are LCP and monitor interconnected with an appropriate cable?
No
Use an appropriate cable.
Yes
Are LCP and monitor in sync?
No
IC3003, IC3004 or IC3005 or their peripheral circuits in trouble.
Yes
IC3001 or its peripheral circuits in trouble.

Technische Daten

Produkttyp	LCD-Projekor
Modelle	XG-XV1E/A
* Videosystem	PAL/SECAM/NTSC3.58/NTSC4.43
Wiedergabeverfahren	LCD-Projektionspanel x 3, optisches RGB-Verschlußverfahren
LCD-Projektionspanel	Panelgröße: 4,6 cm (1,8")(27,6 mm [H] x 36,9 mm [B]) Wiedergabe-Verfahren: Durchlässiges TN-Flüssigkristall-Panel Treiberverfahren: TFT (Dünnfilmtransistor) Aktivmatrix-Panel Anzahl der Bildpunkte: 786.432 Bildpunkte (1.024 [H] x 768 [V])
Objektiv	1-1.6 Zoomobjektiv F2,7 bis 3,5, f=66 bis 106 mm
Projektionslampe	370 W Metallhalogenidlampe
Kontrastverhältnis	100: 1
* Videoeingangssignal	BNC-Anschluß: VIDEO, gemischtes Video, 1 Vs-s, negatives Sync.-Signal, 75Ω terminiert RCA-Anschluß: AUDIO, 0,5 Vrms, mehr als 22kΩ (Stereo)
* S-Videoeingangssignal	4-pol. Mini-DIN-Steckanschluß Y (Luminanz-Signal): 1 Vs-s, negatives Sync.-Signal, 75Ω terminiert C (Chrominanz-Signal): Farbsynchronimpuls 0,286 Vs-s, 75Ω terminiert
* Video (Monitor)-Ausgangssignal	BNC-Anschluß: VIDEO, gemischtes Video, 1 Vs-s, negatives Sync.-Signal, 75Ω terminiert RCA-Anschluß: AUDIO, 0,5 Vrms, weniger als 2,2kΩ (Stereo)
* Horizontale Auflösung	520 Fernsehzeilen (Videoeingang), 700 Fernsehzeilen (S-Videoeingang)
Audioausgang	3 W + 3 W (Stereo)
RGB-Computereingangssignal	Videosignal: 15-Pin Mini-D-Sub Steckanschluß (RGB 1), BNC-Steckanschluß (RGB 2): Getrennter analoger RGB-Signaleingang: 0,7 Vp-p, positiv, 75 Ω terminiert Stereo-Minibuchse: AUDIO, 0,5 Vrms, mehr als 22 kΩ (Stereo) Horizontales Sync.-Signal: TTL-Pegelsignal (positiv oder negativ) oder gemischtes Sync.-Signal (nur Macintosh) Vertikales Sync.-Signal: Wie oben
RS-232C-Eingangs-Anschluß	9-Pin D-Sub Stecker für die Bedienung des Computers
Maus-Eingangs-Anschluß (für IBM/Mac)	9-Pin D-Sub-Buchse für die drahtlose Maus
Maus-Eingangs-Anschluß (für PC98)	9-Pin Mini-DIN Steckverbindung für die drahtlose Maus
Lautsprechersystem	3" (8 cm) rund x 2
Nennspannung	Wechselstromspannung 200-240 V
Nennfrequenz	60/50 Hz
Nennaufnahme	535 W
Betriebstemperatur	+5 °C bis +40 °C
Lagertemperatur	–20 °C bis +60 °C
Gehäuse	Kunststoff
Wellenlänge des Laserzeiger der Fernbedienung	Wellenlänge: 670 nm Max. Ausgangsleistung: 1 mW Klasse II Lasergerät
Abmessungen (B x T x H)	359 x 585 x 208 mm nur. Projektor 444 x 585 x 208 mm einschl. Anschluß-Abdeckung
Gewicht	17,0 kg nur. Projektor
Mitgeliefertes Zubehör	Fernbedienung, vier Batterien der Größe AA, Ersatz-Luftfilter, RGB-Signalkabel (3 m), Macintosh-Adapter, zwei BNC/RCA-Adapter, Maus-Steuerungskabel für IBM PS/2 (15 cm), Maus-Steuerungskabel für Macintosh (15 cm), Maus-Steuerungskabel (3 m), Netzkabel, Abdeckung für Anschlüsse, Umkehretiketten Objektivkappe (linstalliert).
Ersatzteile	Fernbedienung (RRMCG1393CESA), Luftfilter (PFILD0058CEZZ), RGB-Signalkabel (QCNW-4910CEZZ), Macintosh-Adapter QPLGJ1512CEZZ), Maus-Steuerungskabel für IBM PS/2 (QCNW-4754CEZZ), Maus-Steureungskabel für Macintosh (QCNW-4755CEZZ), Maus-Steuerungskabel (QCNW-4620CEZZ), Netzkabel

Hinweis: * (für XG-XV1A sowie die australischen und neuseeländischen Ausführungen von XG-XV1E)

Dieser Projektor ist mit 3 LCD (Flüssigkristallanzeige)-Projektionspanels ausgestattet. Diese neuartigen Projektionspanels enthalten TFTs (Dünnfilmtransistoren) mit insgesamt 519. 168 Bildpunkten (x RGB). Bei allen technologisch fortschrittlichen, elektronischen Geräten, z. B. Großbild-Fernsehern, Videosystemen und/oder Videokameras, sind bestimmte Toleranzgrenzen für die Funktionen gegeben. Die von Sharp akzeptierte Toleranzgrenze erlaubt insgesamt 6 inaktive TFTs, die als beleuchtete oder nicht aktive Punkte auf der Bildwand wiedergegeben werden. Dies hat keinen Einfluß auf die Bildqualität und die Lebensdauer des Gerätes.

Änderungen der technischen Daten ohne vorherige Ankündigung vorbehalten.

HINWEIS FÜR DAS WARTUNGSPERSONAL

ACHTUNG: UV-STRAHLUNG

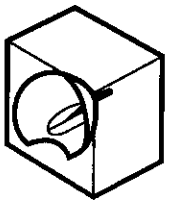
Die Lichtquelle im LCD-Projektor, eine Metall-Halogen-Lampe, gibt eine geringe UV-Strahlung ab.

DIREKTE BESTRAHLUNG AUF AUGEN UND HAUT MUSS VERMIEDEN WERDEN.

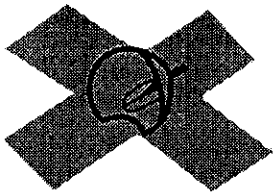
Zur Gewährleistung der Sicherheit muß folgendes beachtet werden:

1. Bei Arbeiten am Projektor bei eingeschalteter Lampe und abgenommenem oberen Gehäuse muß unbedingt eine Sonnenbrille getragen werden.

2. Die Lampe darf nicht außerhalb des Lampengehäuses eingeschaltet werden.



3. Betrieb für länger als 2 Stunden bei abgenommenem Gehäuse ist nicht zulässig.



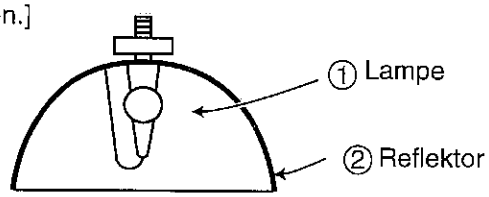
Zur Beachtung bei UV-Strahlung und Mitteldruck-Lampen

1. Vor dem Auswechseln der Lampe muß der Netzstecker gezogen werden.
2. Vor Durchführung von Wartungsarbeiten muß das Gerät eine Stunde abkühlen.
3. Die Lampe darf nur gegen eine der gleichen Art ausgewechselt werden. Typ CLMPF0046DE05, bemessen für 63 V/370 W.
4. Die Lampe gibt eine geringe UV-Strahlung ab, daher muß direkter Augenkontakt vermieden werden.
5. Die Mitteldruck-Lampe weist ein Explosionsrisiko auf. Daher müssen die nachstehenden Installationsanweisungen beachtet werden, und die Lampe muß vorsichtig behandelt werden.

■ Auswechseln der Lampe

Hinweis:

Da die Lampe während des Betriebs sehr heiß wird, sollte die Lampe erst ausgewechselt werden, nachdem das Gerät mindestens eine Stunde ausgeschaltet war, damit die Lampe ausreichend abkühlen kann.
Beim Installieren der neuen Lampe muß darauf geachtet werden, die Lampe selbst (Glaskolben) nicht zu berühren. Vielmehr muß die Lampe am Reflektor ② gehalten werden.
[Es darf nur ein Original-Ersatzteil verwendet werden.]



GEFAHR! — Niemals die Spannungsversorgung einschalten, ohne daß eine Lampe vorhanden ist, um elektrische Schläge und Schäden am Gerät zu vermeiden, da der Stabilisator anfangs hohe Spannungen erzeugt.

Da eine geringe UV-Strahlung aus einer Öffnung zwischen der Schachtabdeckung und dem Lampengehäuse austritt, sollte der Objektivdeckel bei Wartungsarbeiten auf die Öffnung gesetzt werden, um die Bestrahlung von Augen und Haut zu vermeiden (Abb. 1).

Hinweis: Besorgen Sie sich einen Objektivdeckel, bevor Sie Arbeiten an einem Modelle XG-SV1E/A durchführen, das keinen Objektivdeckel aufweist.

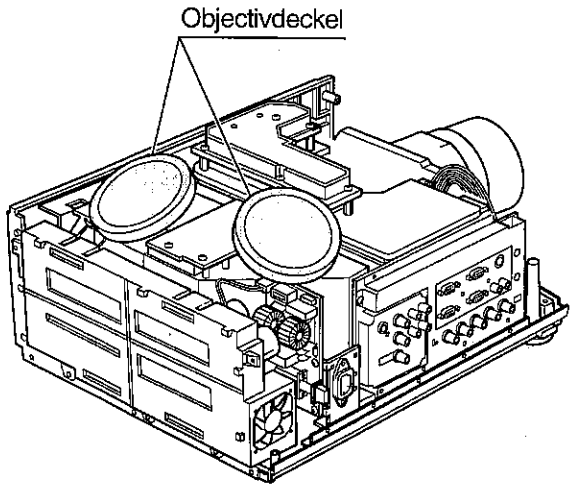
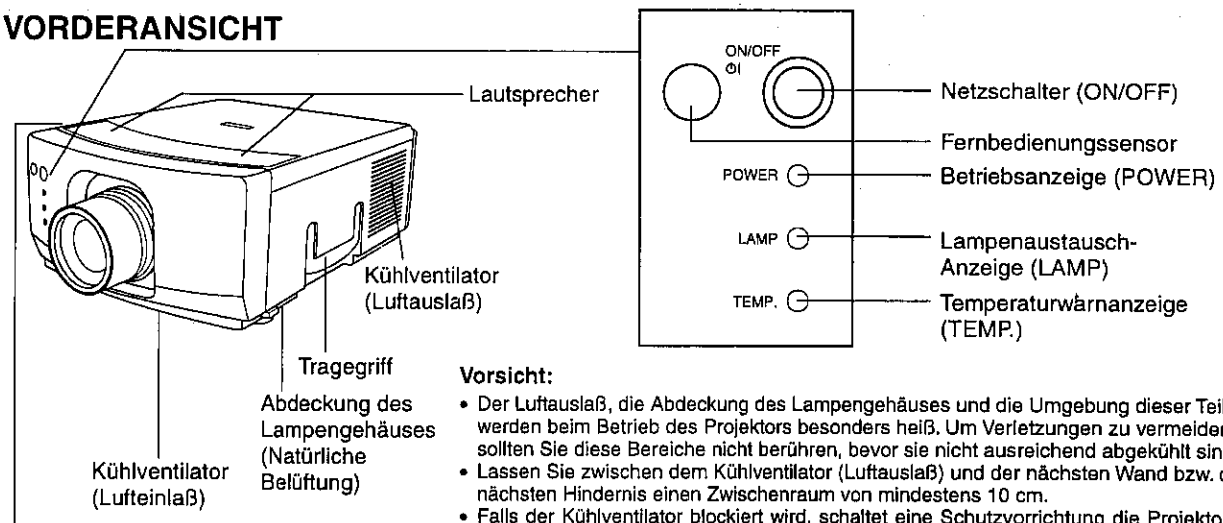


Abbildung 1.

Lage der Bedienelemente

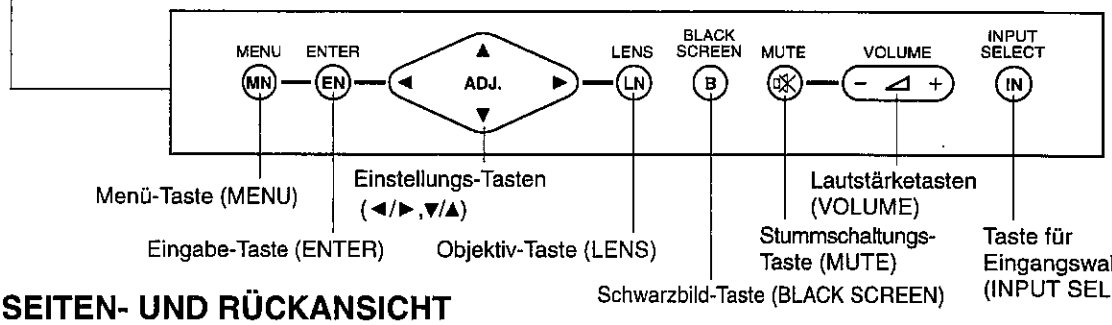
VORDERANSICHT



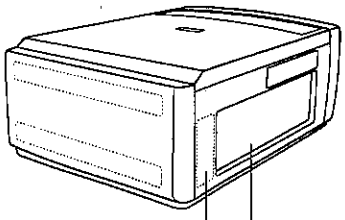
Vorsicht:

- Der Luftauslaß, die Abdeckung des Lampengehäuses und die Umgebung dieser Teile werden beim Betrieb des Projektors besonders heiß. Um Verletzungen zu vermeiden, sollten Sie diese Bereiche nicht berühren, bevor sie nicht ausreichend abgekühlt sind.
- Lassen Sie zwischen dem Kühlventilator (Luftauslaß) und der nächsten Wand bzw. dem nächsten Hindernis einen Zwischenraum von mindestens 10 cm.
- Falls der Kühlventilator blockiert wird, schaltet eine Schutzvorrichtung die Projektorlampe automatisch aus. Das ist normal und kein Störfall. Ziehen Sie den Netzstecker des Projektors ab und warten 10 Minuten. Stecken Sie dann den Netzstecker wieder ein. Der Projektor schaltet auf Normalbetrieb zurück.

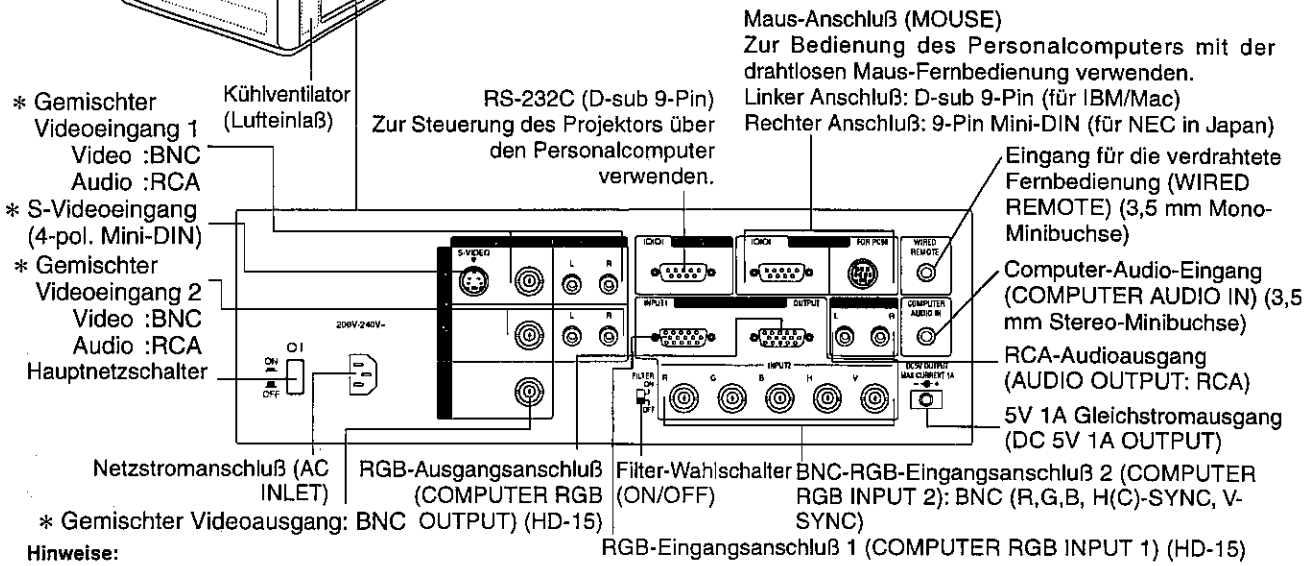
BEDIENFELD AUF DER SEITE DES PROJEKTORS



SEITEN- UND RÜCKANSICHT



Hinweis: ∗ (für XG-XV1A sowie die australischen und neuseeländischen Ausführungen von XG-XV1E)


Kühlventilator (Lufteinlaß)
∗ Gemischter Videoeingang 1
Video :BNC
Audio :RCA
∗ S-Videoeingang (4-pol. Mini-DIN)
∗ Gemischter Videoeingang 2
Video :BNC
Audio :RCA
Hauptnetzschalter
RS-232C (D-sub 9-Pin) Zur Steuerung des Projektors über den Personalcomputer verwenden.
Maus-Anschluß (MOUSE) Zur Bedienung des Personalcomputers mit der drahtlosen Maus-Fernbedienung verwenden. Linker Anschluß: D-sub 9-Pin (für IBM/Mac) Rechter Anschluß: 9-Pin Mini-DIN (für NEC in Japan)
Eingang für die verdrahtete Fernbedienung (WIRED REMOTE) (3,5 mm Mono-Minibuchse)
Computer-Audio-Eingang (COMPUTER AUDIO IN) (3,5 mm Stereo-Minibuchse)
RCA-Audioausgang (AUDIO OUTPUT: RCA)
5V 1A Gleichstromausgang (DC 5V 1A OUTPUT)
Netzstromanschluß (AC INLET)
RGB-Ausgangsanschluß (COMPUTER RGB OUTPUT) (HD-15)
Filter-Wahlschalter (ON/OFF)
BNC-RGB-Eingangsanschluß 2 (COMPUTER RGB INPUT 2): BNC (R,G,B, H(C)-SYNC, V-SYNC)
∗ Gemischter Videoausgang: BNC
RGB-Eingangsanschluß 1 (COMPUTER RGB INPUT 1) (HD-15)

Hinweise:

- Der 5V 1A Gleichstromausgang (DC 5V 1A OUTPUT) kann nicht mehr als 1A Leistung abgeben.
- Beim Anschluß eines Computers der Macintosh Serie, der ein C-SYNC-Signal ausgibt, sollte das Kabel am COMPUTER RGB 2 INPUT H-SYNC-Eingangsanschluß angeschlossen werden.

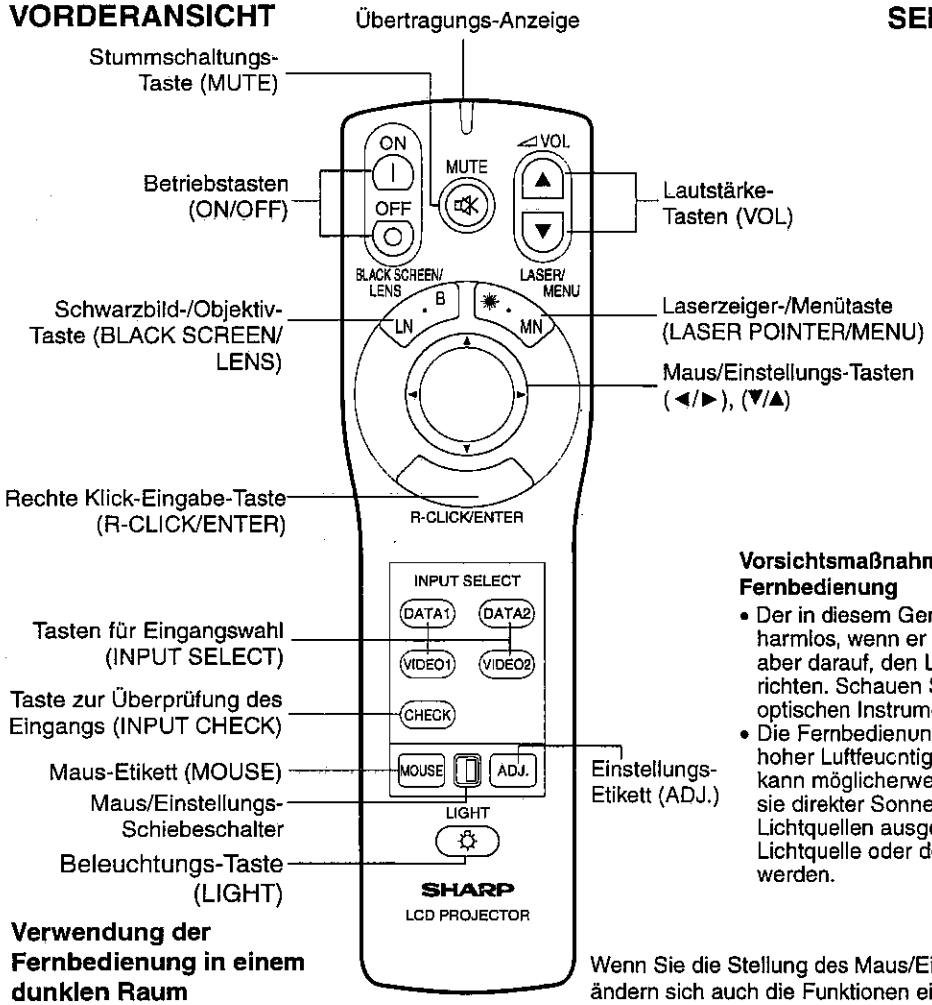
Betrieb mit der drahtlosen Maus-Fernbedienung

Die Funktionen der Maus Ihres Personalcomputers wurden in die Fernbedienung mit eingebaut, so daß Sie sowohl Ihren Projektor als auch Ihren Personalcomputer allein über die Fernbedienung bedienen können.

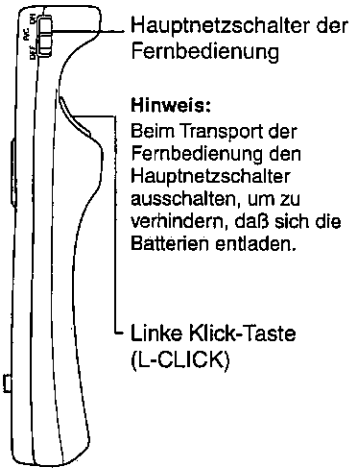
1. Schalten Sie den Hauptnetzschalter an der Seite des Gerätes ein.
2. Drücken Sie die Betriebstaste ON auf dem Bedienfeld der Fernbedienung, um das Gerät einzuschalten.
3. Wenn die Fernbedienung als drahtlose Maus verwendet werden soll, den Maus/Einstellungs-Schiebeschalter auf MAUS (MOUSE) schieben. Wenn die Fernbedienung zum Betrieb des Projektors verwendet soll, den Maus/Einstellungs-Schiebeschalter auf EINST (ADJ.) schieben. Um die Gegenlicht-Funktion der Fernbedienung zu verwenden, die Beleuchtungs-Taste (LIGHT) auf der Fernbedienung drücken. Die Farben der Tasten ändern sich, wie in der Tabelle unten auf dieser Seite gezeigt.

Drahtlose Fernbedienung

VORDERANSICHT



SEITENANSICHT


Hauptnetzschalter der Fernbedienung
Hinweis:
Beim Transport der Fernbedienung den Hauptnetzschalter ausschalten, um zu verhindern, daß sich die Batterien entladen.
Linke Klick-Taste (L-CLICK)

Vorsichtsmaßnahmen bei der Verwendung der Fernbedienung

- Der in diesem Gerät verwendete Laserstrahl ist harmlos, wenn er auf die Haut auftrifft; achten Sie aber darauf, den Laserstrahl nicht auf die Augen zu richten. Schauen Sie auch nicht mit Hilfe eines optischen Instruments in den Laserstrahl.
- Die Fernbedienung nicht Stößen, Flüssigkeiten oder hoher Luftfeucntigkeit aussetzen. Die Fernbedienung kann möglicherweise nicht richtig funktionieren, wenn sie direkter Sonneneinstrahlung oder anderen starken Lichtquellen ausgesetzt ist. In diesem Fall sollte die Lichtquelle oder der LCD-Projektor verschoben werden.

Verwendung der Fernbedienung in einem dunklen Raum

- Die Beleuchtungs-Taste (LIGHT) drücken, um die Bedienungstasten ca. 5 Sekunden lang zu beleuchten. Die Gegenlichtfarben sind in der Tabelle rechts erklärt.

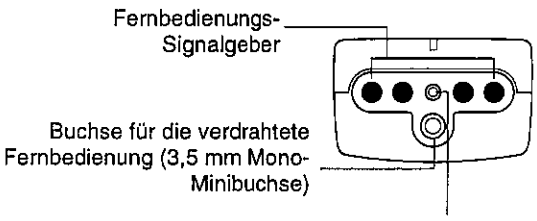
Hinweis:

- Wenn der Hauptnetzschalter (MAIN POWER) auf der Fernbedienung ohne Betrieb des Gerätes 10 Minuten eingeschaltet gelassen bleibt, wird das Gerät automatisch ausgeschaltet. Zum erneuten Einschalten des Gerätes die Taste auf der Fernbedienung mindestens eine Sekunden lang drücken.

Wenn Sie die Stellung des Maus/Einstellungs-Schiebeschalters ändern, ändern sich auch die Funktionen einiger Bedienungstasten auf der Fernbedienung. Welche Funktion eine bestimmte Taste gegenwärtig ausübt, können Sie an der Farbe des Gegenlichts erkennen.

Tastenbezeichnung	Position des Maus/Einstellungs-Schiebeschalters	
	MOUSE	ADJ.
LASER/MENU	LASER (grün)	MENU (rot)
R-CLICK/ENTER	R-CLICK (grün)	ENTER (rot)
MOUSE/ADJ.	MOUSE (nicht beleuchtet)	ADJ. ◄/►, ▼/▲ (nicht beleuchtet)
L-CLICK	JA (nicht beleuchtet)	—
BLACK SCREEN/LENS	BLACK SCREEN (grün)	LENS (rot)
ON/OFF	JA (rot)	
VOL		
MUTE		
VIDEO 1		
VIDEO 2		
DATE 1		
DATE 2		
INPUT CHECK		

ANSICHT VON OBEN

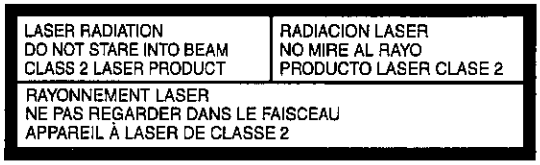


Verwendung des als Sonderzubehör erhältlichen Kabels mit der Fernbedienung

- Wenn die Fernbedienung aufgrund des Abstandes oder des Aufstellungsortes des Projektors (Rückprojektion, usw.) nicht verwendet werden kann, sollte das zusätzliche Kabel am Fernbedienungs-Kabelanschluß der Fernbedienung und am Fernbedienungs-Kabelanschluß auf der Seite des Projektors angeschlossen werden.

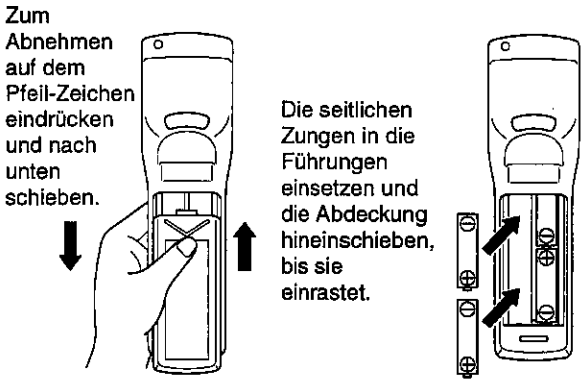
Hinweis:

- Wenn das als Sonderzubehör gelieferte Kabel angeschlossen ist, ist der Signalgeber funktionslos.



Die Fernbedienung verfügt über einen Laserzeiger, der einen Laserstrahl der Klasse II durch das in der Abbildung gezeigte Laserlicht-Fenster emittiert. Schauen Sie nicht direkt in den Laserstrahl und richten Sie ihn auch nicht auf andere Personen. Die beiden Markierungszeichen links sind Warnaufkleber für den Laserstrahl. Verwenden Sie den Laserstrahl nur bei Temperaturen zwischen +5 °C und +40 °C.

RÜCKSEITE


Zum Abnehmen auf dem Pfeil-Zeichen eindrücken und nach unten schieben.
Die seitlichen Zungen in die Führungen einsetzen und die Abdeckung hineinschieben, bis sie einrastet.

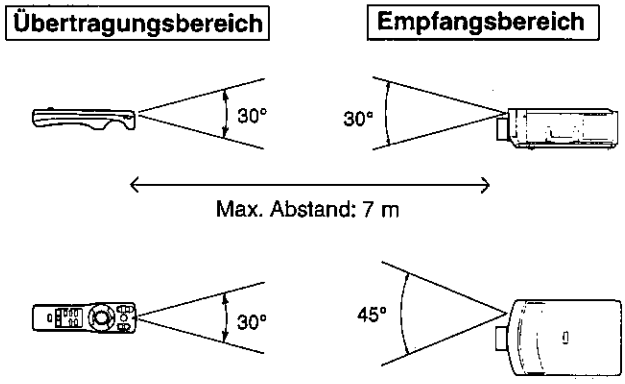
Einsetzen der Batterien

Die Batteriefachabdeckung wie gezeigt abnehmen, vier Batterien (Größe AA) einsetzen und sicherstellen, daß die Polarität den Markierungen (+) und (–) im Batteriefach entspricht.

Hinweise:

Eine falsche Verwendung kann die Batterien zum Auslaufen oder Explodieren bringen.

- Die Batterien unter Beachtung der (+) und (–) Pole wie gezeigt einsetzen.
- Die Batterien aus der Fernbedienung nehmen, wenn sie für längere Zeit nicht verwendet wird.
- Die Batterien immer sauber halten.
- Unterschiedliche Batteriearten nicht zusammen verwenden. Die Lebensdauer der neuen Batterien wird dadurch verkürzt, und die alten Batterien können auslaufen.
- Verbrauchte Batterien sollten sofort entnommen werden, um Auslaufen und Beschädigungen zu vermeiden. Ausgelaufene Batterieflüssigkeit kann zu Hautirritationen führen. Ausgelaufene Batterieflüssigkeit mit einem Tuch entfernen.
- Wegen unterschiedlicher Lagerbedingungen können die mitgelieferten Batterien früher als angegeben verbraucht sein. Verbrauchte Batterien sollten so schnell wie möglich durch neue ausgetauscht werden.



Positionierung der Fernbedienung

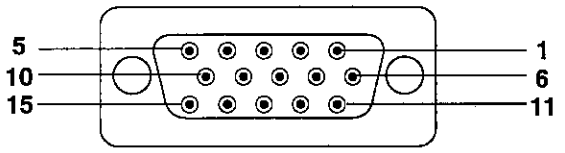
Die Fernbedienung wie links gezeigt verwenden.

Hinweis:

- Das Signal von der Fernbedienung kann für einen einfachen Betrieb von der Bildwand reflektiert werden. Jedoch kann der wirksame Abstand des Signals aufgrund des Bildwandmaterials Unterschiede aufweisen.

Pinbelegung

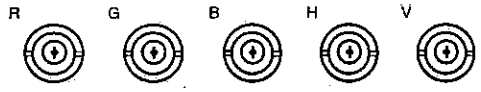
Analoger Anschluß für RGB 1 Signalausgang und analoger RGB 1 und 2 Ausgang: 15-Pin Mini-D-Sub-Buchse



Computereingang
Analog

1. Videoeingang (rot)
2. Videoeingang (grün)
3. Videoeingang (blau)
4. Reserveeingang 1
5. Gemischtes Sync.-Signal (nur Mac)
6. Erdung (rot)
7. Erdung (grün)
8. Erdung (blau)
9. Nicht angeschlossen
10. MASSE
11. MASSE
12. Reserveeingang 2
13. Horizontales Sync.-Signal
14. Vertikales Sync.-Signal
15. Reserveeingang 3

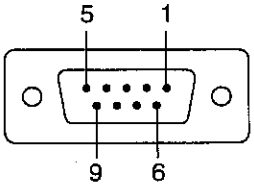
Analoger RGB 2 Signaleingang: 5 BNC



Computereingang
Analog

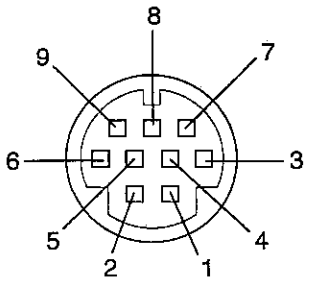
R Videoeingang (rot)
G Videoeingang (grün)
B Videoeingang (blau)
H Horizontales Sync.-Signal, Mac C-Sync.-Signal
V Vertikales Sync.-Signal

Maus-Eingangs-Anschluß (für IBM/Mac): 9-Pin D-Sub-Buchse



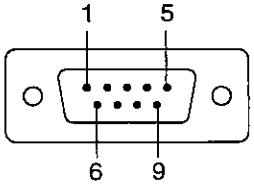
Pin Nr.	Signal	Name	I/O	Referenz
1	CD	Carrier Detect=Trägererfassung	Eingang	An internen Schaltkreis angeschlossen
2	RD	Receive Data=Daten empfangen	Eingang	An internen Schaltkreis angeschlossen
3	SD	Send Data=Daten senden	Ausgang	An internen Schaltkreis angeschlossen
4	ER	Equipment ready=Ausrüstung betriebsbereit	Ausgang	An internen Schaltkreis angeschlossen
5	SG	Signal Ground=Signalerdung		An internen Schaltkreis angeschlossen
6	DR	Data Set Ready=Datensatz bereit	Ausgang	Nicht angeschlossen
7	RS	Request to Send=Anforderung zum Senden	Ausgang	An internen Schaltkreis angeschlossen
8	CS	Clear to Send=Sendefreigabe	Eingang	An internen Schaltkreis angeschlossen
9	CI	Ring Indicator=Ring-Anzeige	Eingang	An internen Schaltkreis angeschlossen

Maus-Eingangs-Anschluß (für NEC PC98-Serie für Japan): 9-Pin Mini-DIN-Steckverbindung



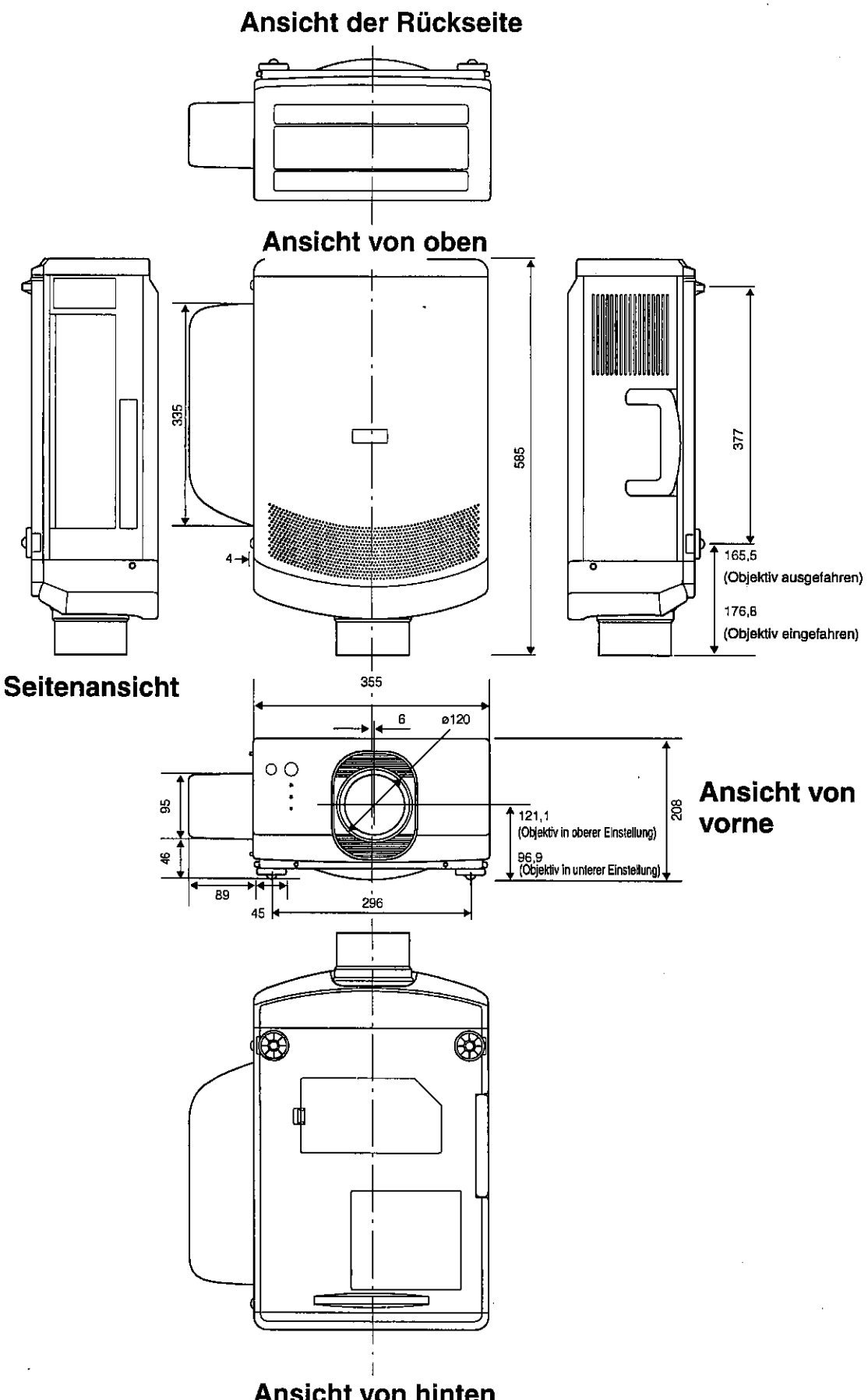
Pin Nr.	Signal	I/O	Referenz
1	+5V	Eingang	Computer-Ausgang
2	XA	Eingang	Computer-Ausgang
3	XB	Eingang	Computer-Ausgang
4	YA	Eingang	Computer-Ausgang
5	YB	Eingang	Computer-Ausgang
6	LINKS	Eingang	Computer-Ausgang
7	NC	Eingang	Nicht angeschlossen
8	RECHTS	Eingang	Computer-Ausgang
9	MASSE		Computer-Ausgang

RS-232C-Anschluß: 9-Pin D-Sub-Stecker



Pin Nr.	Signal	Name	I/O	Referenz
1	CD			Nicht angeschlossen
2	RD	Receive Data=Daten empfangen	Eingang	An internen Schaltkreis angeschlossen
3	SD	Send Data=Daten senden	Ausgang	An internen Schaltkreis angeschlossen
4	ER			Nicht angeschlossen
5	SG	Signal Ground=Signalerdung		An internen Schaltkreis angeschlossen
6	DR	Data Set Ready=Datensatz bereit	Ausgang	Nicht angeschlossen
7	RS	Request to Send=Anforderung zum Senden	Ausgang	An internen Schaltkreis angeschlossen
8	CS			Nicht angeschlossen
9	CI			Nicht angeschlossen

Abmessungen



[Einheit: mm]

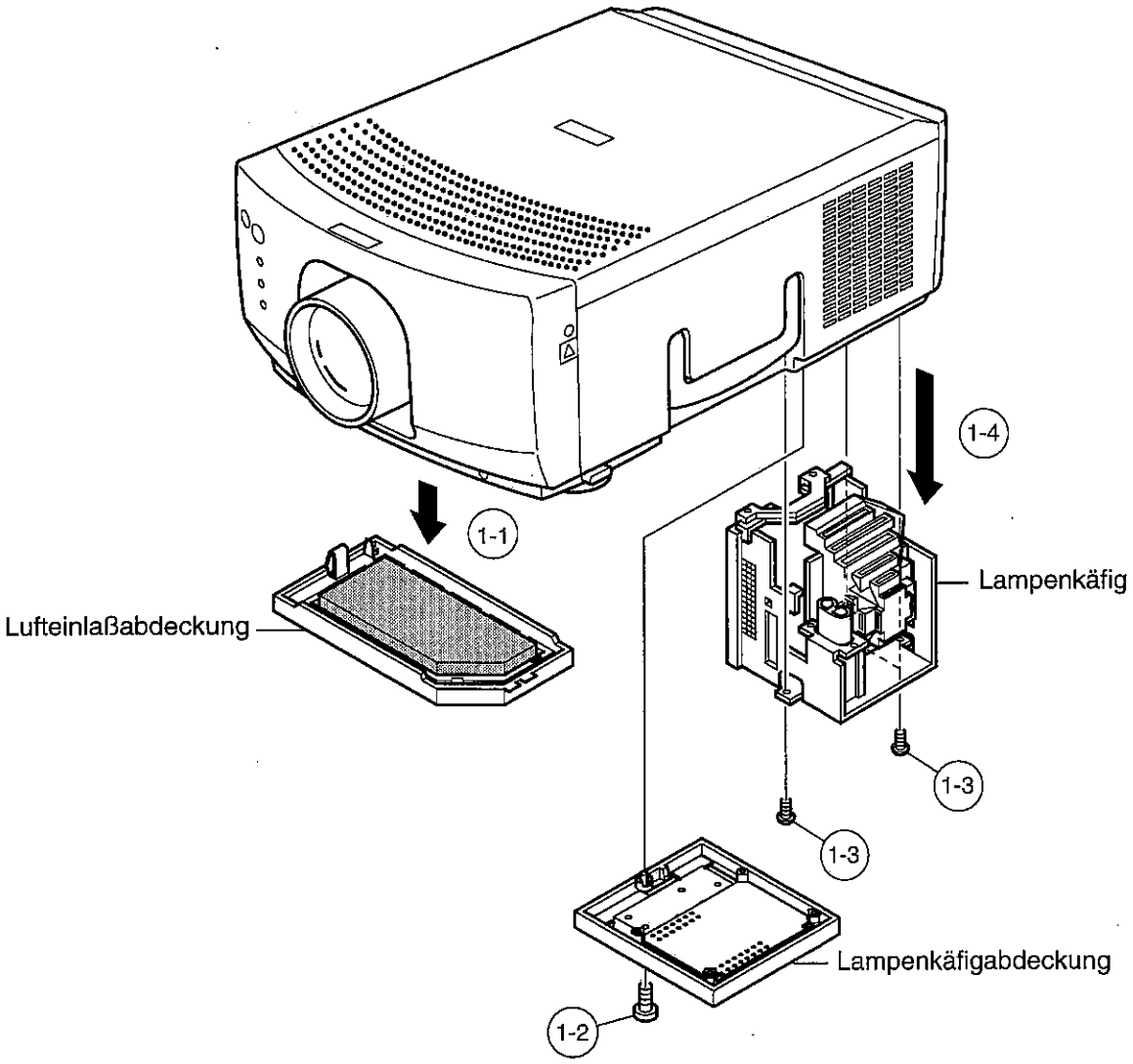
ENTFERNEN DER HAUPTTEILE

1. Entfernen der Lampenkäfigeinheit und der Lufteinlaßabdeckung

1-1. Die Lufteinlaßabdeckung abnehmen.
1-2. Die Schrauben losdrehen und die Lampenkäfigabdeckung abnehmen.
1-3. Die drei Schrauben von der Lampenkäfigeinheit losdrehen.
1-4. Die Lampenkäfigeinheit abziehen.

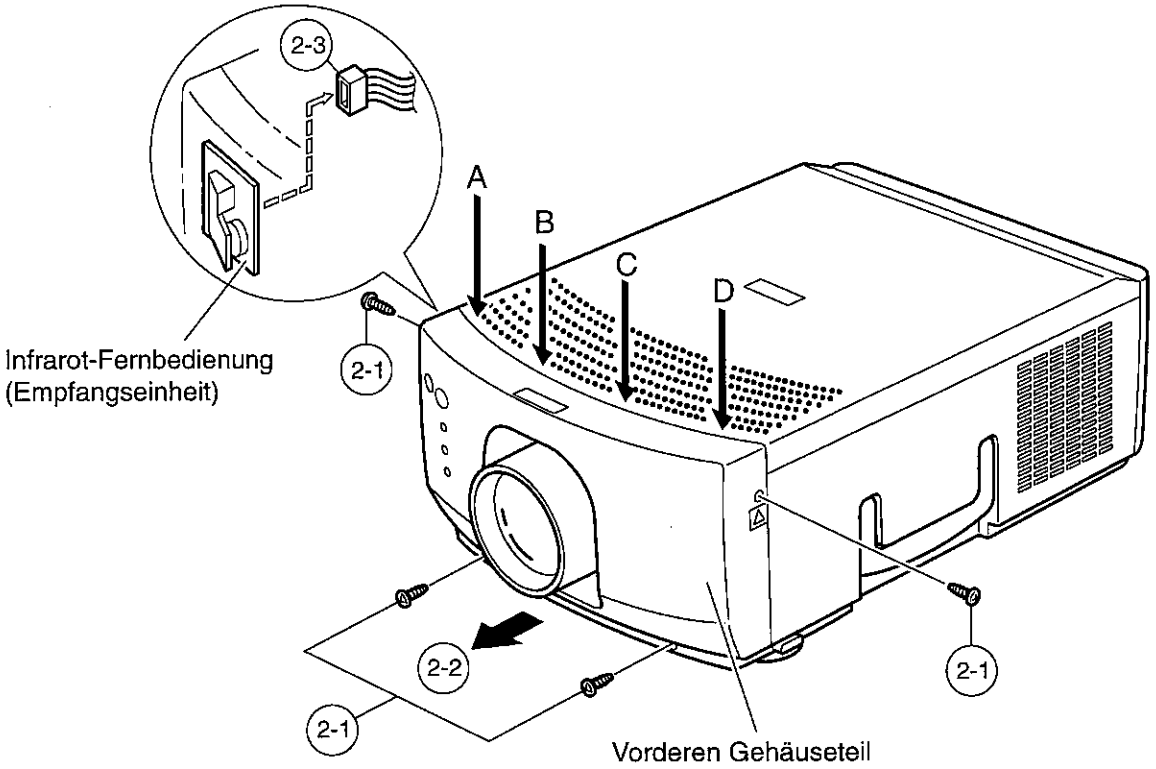
Hinweise:

- Vor dem Auswechseln den Betriebstaste der Projektors ausschalten, darauf acten, daß das Kühlgebläse zum Stillstand kommt, und den Netzstecker herausziehen.
- Die Lampe kann immer noch sehr heiß sein. Die Betriebstaste ausschalten, den Netzstecker herausziehen und wenigstens 1 Stunde vor dem Arbeiten warten.
- Bei Anpassen des Lampenkäfigs in Stellung darauf achten, daß sich der Stecker nach oben befindet.



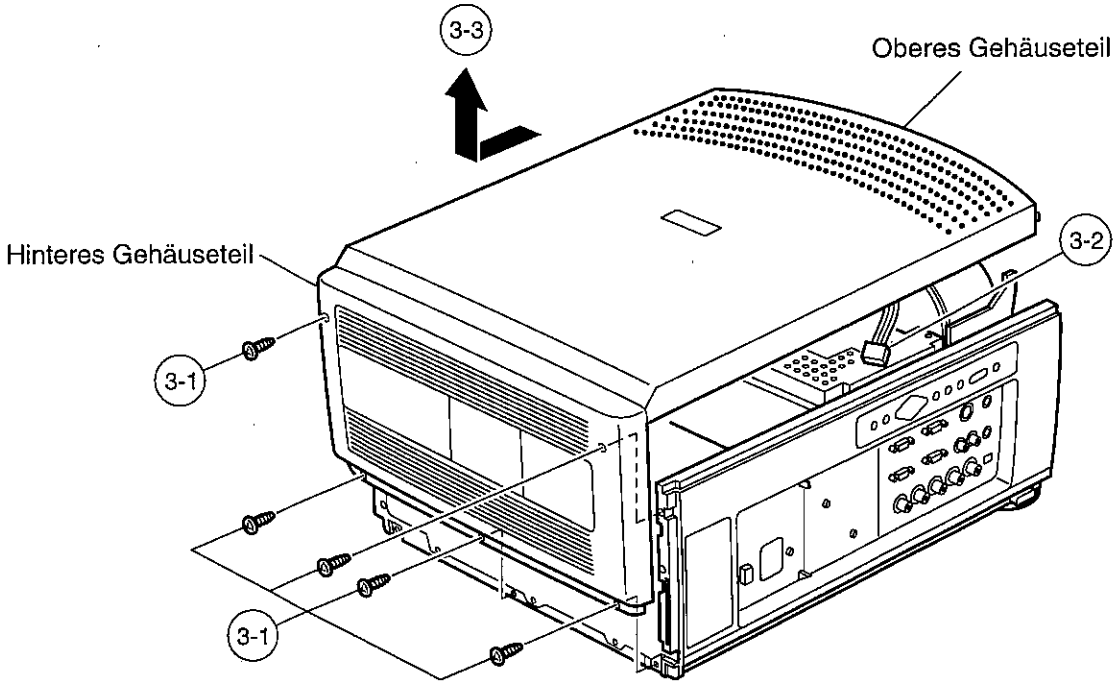
2. Entfernen des vorderen Gehäuseteils

2-1. Die vier rechten und linken Schrauben von der Unterseite des vorderen Gehäuseteils losdrehen.
2-2. Die Haken des oberen Gehäuseteils A, B, C, und D vorsichtig nach unten drücken, um das vordere Gehäuseteil zu lösen. Nun das vordere Gehäuseteil abnehmen.
2-3. Den Steckverbinder der Fernbedienung abziehen.



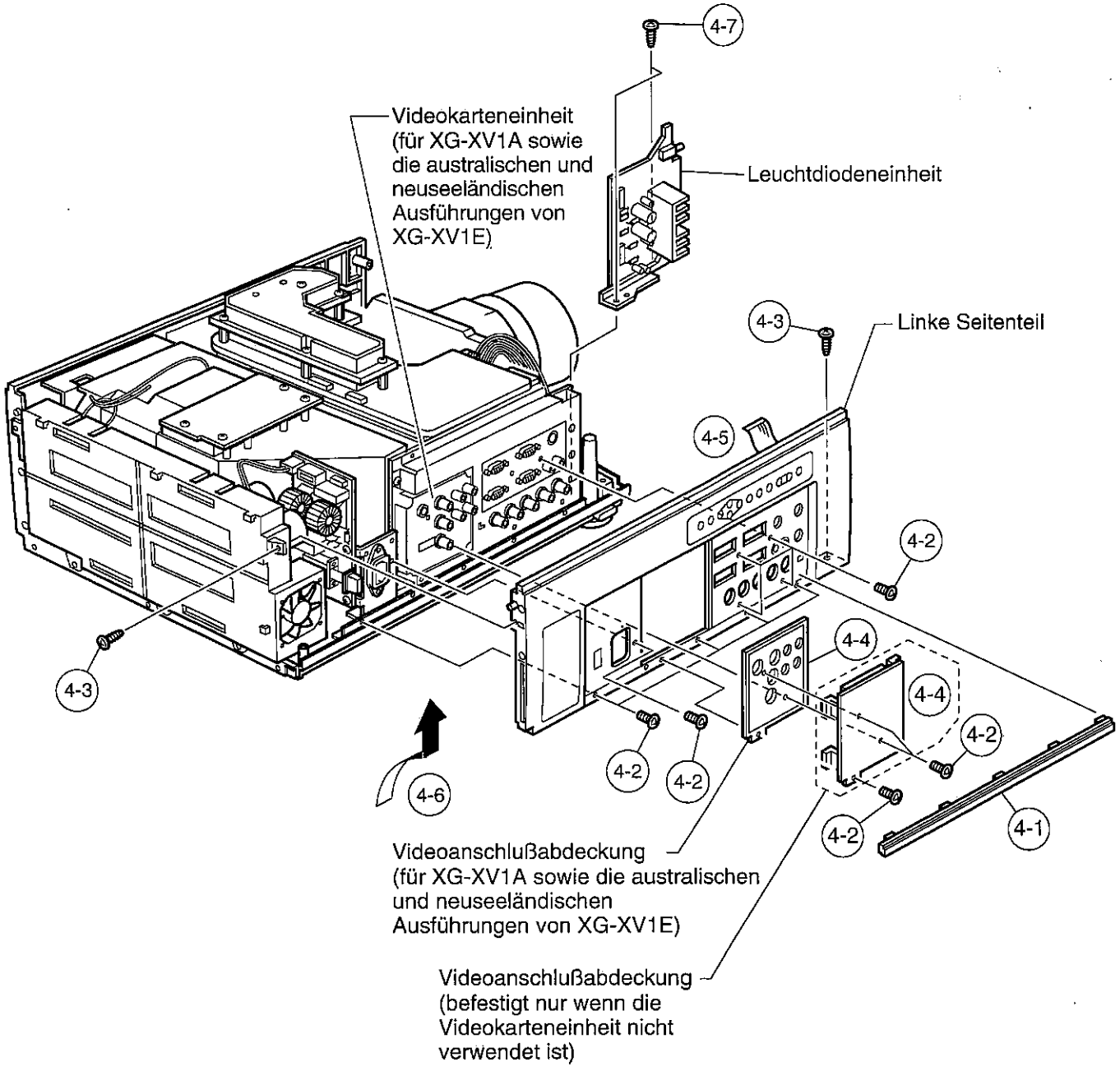
3. Entfernen des oberen und hinteren Gehäuseteils

3-1. Die fünf Schrauben vom oberen und dem hinteren Gehäuseteil losdrehen.
3-2. Den Lautsprecheranschluß abziehen.
3-3. Das obere Gehäuseteil zurückschieben, um das obere und hintere Gehäuseteil voneinander zu trennen.



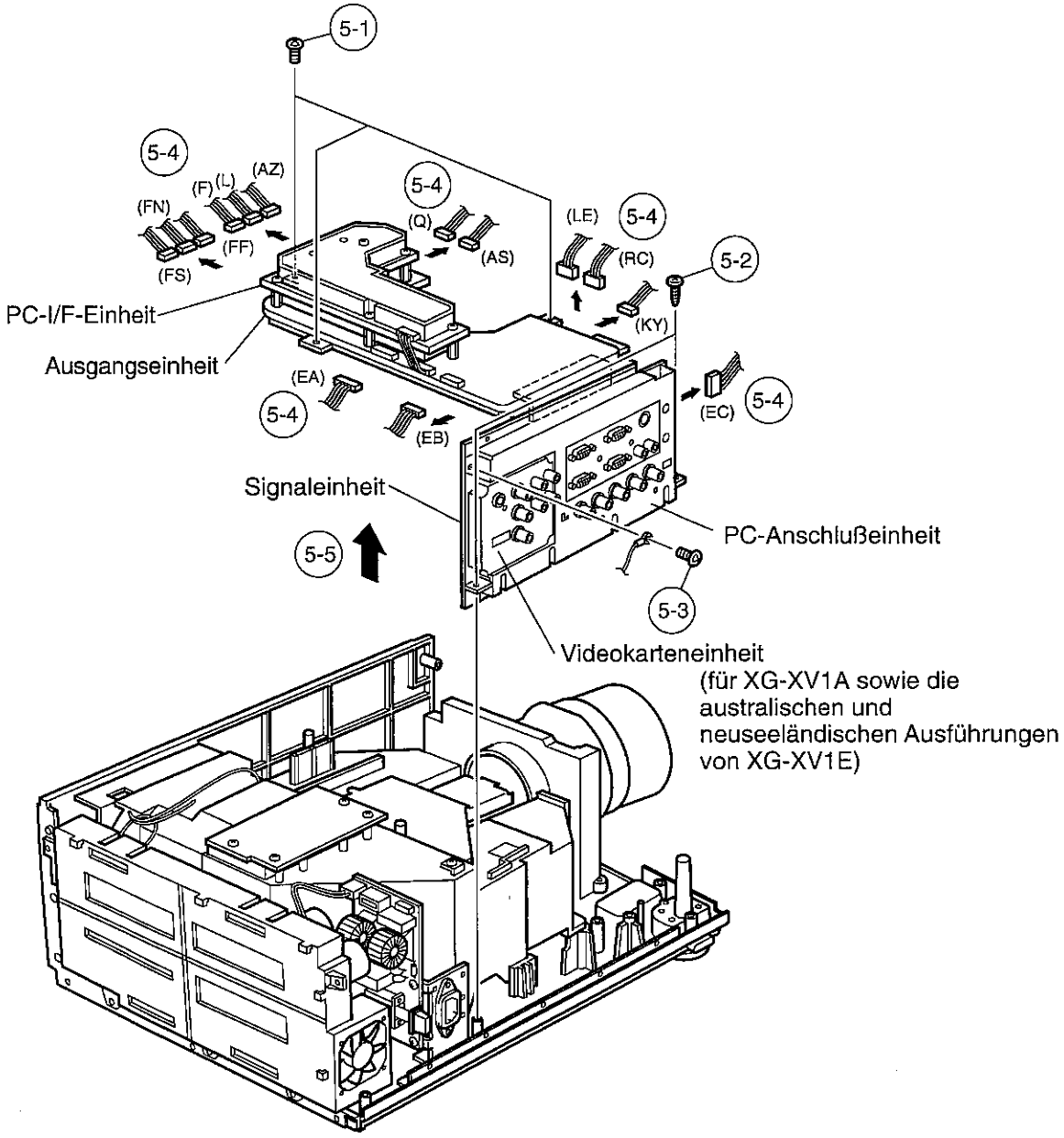
4. Entfernen des linken Seitenteils

4-1. Einen Flachkopf-Schraubendreher in das äußerste rechte Loch der Schraubenabdeckung einführen. Nun das rechte Ende der Abdeckung anziehen und öffnen, danach die gesamte Abdeckung anziehen und abnehmen.
4-2. Die zwölf seitlichen Schrauben losdrehen.
4-3. Die beiden Schrauben vom seitlichen Gehäuseteil losdrehen.
4-4. Die Video-Anschlußplatine abtrennen.
4-5. Den Membranschalter-Steckverbinder abziehen.
4-6. Das linke Seitenteil nach unten ziehen und entfernen.
4-7. Die beiden Schrauben von der Leuchtdioden-Platineneinheit losdrehen.



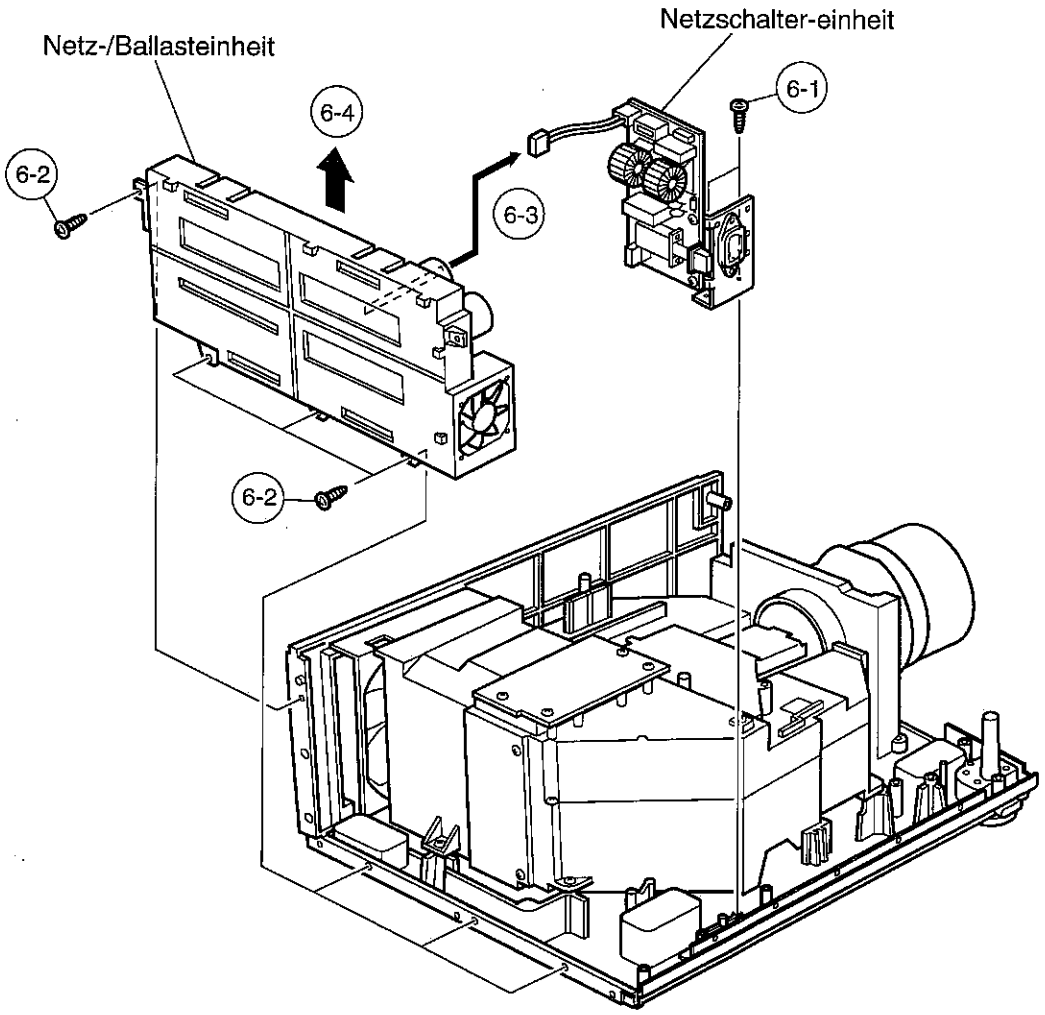
5. Abtrennen der Signal- und Ausgangsplatine

5-1. Die drei Schrauben von der optischen Mechanismuseinheit losdrehen.
5-2. Die beiden Schrauben vom unteren Gehäuseteil losdrehen.
5-3. Die Schraube von der Signalplatineneinheit losdrehen.
5-4. Die Steckverbinder von den Signal- und Ausgangsplatineneinheiten abziehen.
5-5. Die Platineneinheiten entfernen.



6. Entfernen der Netz/Ballast-Platine

6-1. Die beiden Schrauben von der Netzschalter-einheit am unteren Gehäuseteil losdrehen.
6-2. Die vier Schrauben vom Netz/Ballast-Halter losdrehen (an der Rückseite).
6-3. Die Steckverbinder abziehen.
6-4. Die Platinen entfernen.

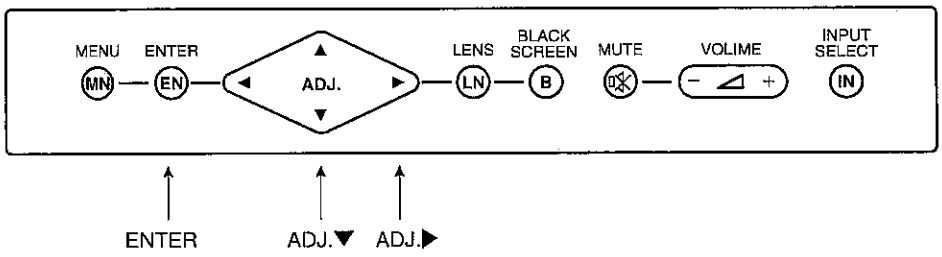


RÜCKSTELLUNG DES LAMPEN-BETRIEBSSTUNDENZÄHLERS

Dieses Gerät dient dazu, um die Stromzufuhr zu unterbrechen, wenn die Lampe für 1900 und 2000 Stunden betrieben wurde. Dies dient zum Schutz des Beleuchtungskörpers. Num die Lampe gegen eine neue auszuwechseln und das folgende Rückstellungsverfahren ausführen.

Rückstellung des Lampen-Betriebsstundenzählers

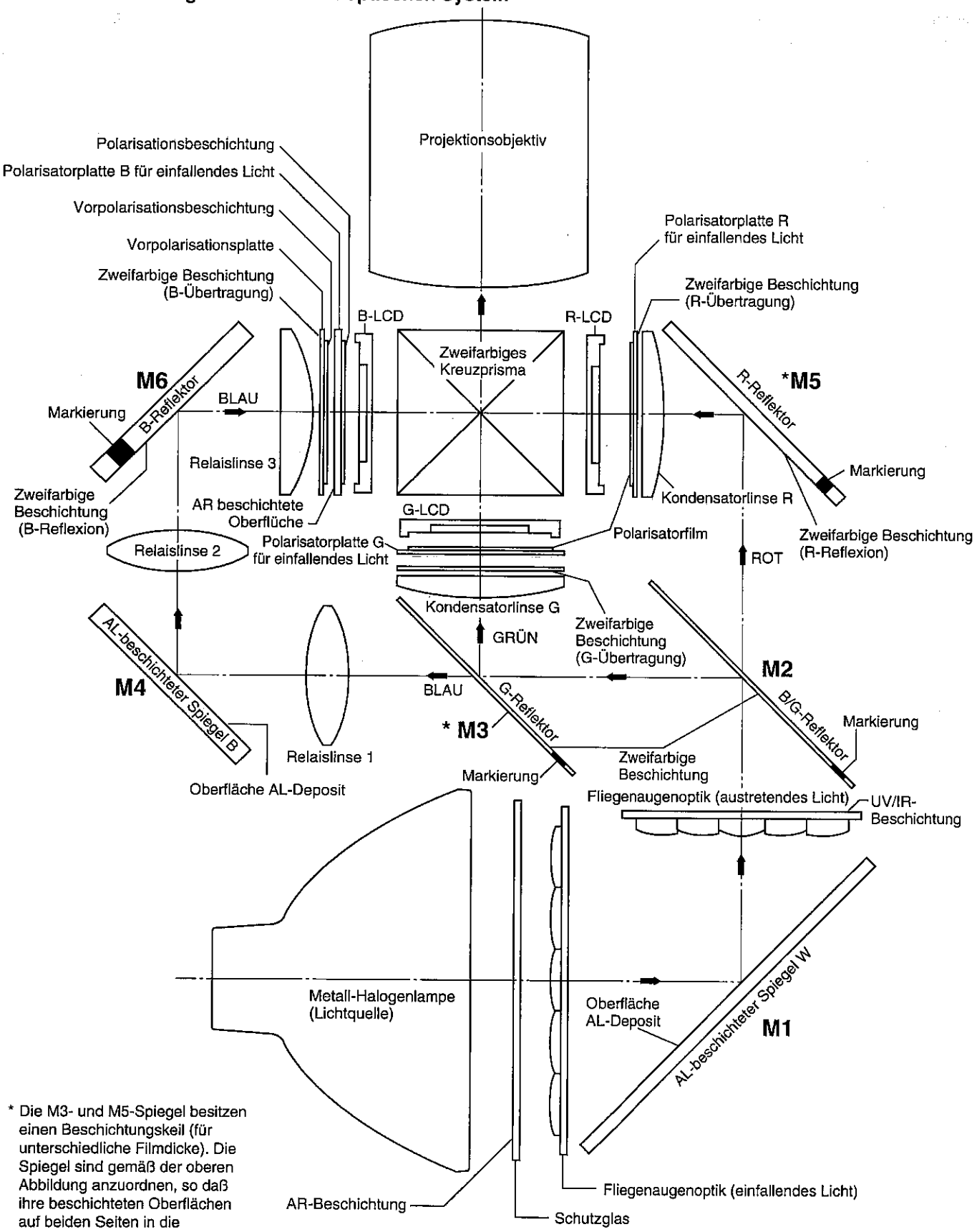
1. Die Tasten "ENTER", "ADJ.▼" und "ADJ.▶" zusammen betätigen, dann den Hauptgeräteschalter einschalten (befindet sich über dem Netzeingang).
2. Das Gerät ist somit aktiviert und der Lampen-Betriebsstundenzähler auf Null zurückgestellt. Am Bildschirm wird "000H" angezeigt.



ÜBERSICHT DER OPTIKEINHEIT

Übersicht des optischen Systems

Hinweis: Anordnung der Bauteile im optischen System



* Die M3- und M5-Spiegel besitzen einen Beschichtungskeil (für unterschiedliche Filmdicke). Die Spiegel sind gemäß der oberen Abbildung anzuordnen, so daß ihre beschichteten Oberflächen auf beiden Seiten in die korrekten Richtungen zeigen.

EINSTELLUNG VON KONVERGENZ UND BRENNPUNKT

- **Die Einstellarbeiten für die Konvergenz und die Brennpunkteinstellung bei entferntem oberem Gehäuseteil und Signalschild vornehmen. Das Gerät muß dabei jedoch eingeschaltet sein. Zur Bildeinstellung ist die Fernbedienungseinheit zu verwenden. Dabei sind die folgenden Verfahren anzuwenden :**

1. Fokussieren des Projektionsobjektivs

(A) Auswechseln aller 3 Flüssigkristallanzeigen (LCD)

1. Vor dem Auswechseln aller 3 Flüssigkristallanzeigen ist ein Bild auf die Leinwand zu projizieren und scharf einzustellen.
2. Die Flüssigkristallanzeigen durch neue ersetzen. Solange der Brennpunkt jedoch nicht vollständig eingestellt ist, sicherstellen, daß der Abstand zwischen dem Projektor und der Leinwand nicht verändert wird. Der Fokussierring des Projektionsobjektivs und der Zoomring dürfen ebenfalls nicht verändert werden.

(Wenn der Fokussierring mit einem unterschiedlichen Positionsverhältnis nachgestellt wird, wird das Verhältnis zwischen der Projektionsdistanz und der Leinwandgröße beeinflußt. Mit anderen Worten gesagt, kann ein Kurzdistanz-Bild (z.B. 40 mm Weitwinkel) außerhalb des Fokusbereichs liegen, während eine Zoomaufnahme (z.B. 300 Teleobjektiv) ebenfalls außerhalb des zulässigen Bereichs liegt.)

(B) Auswechseln von nur 1 oder 2 Anzeigen

1. Wenn nach dem Auswechseln von einer oder zwei LCD-Anzeigen eine Brennpunkteinstellung vorgenommen wird, ein Bild auf die Leinwand projizieren, dann Fokussierring verstellen, um die nicht ausgewechselte LCD-Anzeige in den Brennpunkt zu bringen.
2. Solange der Brennpunkt für beide neuen LCD-Anzeigen jedoch noch nicht vollständig abgeschlossen ist, unbedingt darauf achten, daß der Abstand zwischen dem Gerät und der Leinwand nicht verändert wird.

(Der Fokussierring des Projektionsobjektivs und der Zoomring dürfen ebenfalls nicht verändert werden. Wenn der Fokussierring verdreht oder das Projektionsobjektiv erneut eingestellt wurde, sind die obigen Schritte 1 und 2 zu wiederholen.)

2. Einstellen der G-LCD-Anzeige

(A) Brennpunkteinstellung (Diese Einstellung nur auf weißer Leinwand vornehmen.)

1. Rechte und linke Fokuseinstellung (θY-Richtung)
   Die Sicherungsschrauben "b" und "c" lockern und einen exzentrischen Schraubendreher in die Kerbe und das Loch "b" oder "c" einführen. Den Schraubendreher solange drehen, bis sich die linke und rechte Hälfte auf der Leinwand im Brennpunkt befinden.
2. Brennpunkteinstellung (oben - Mitte - unten) (θX- und Z-Richtung):
   Die Sicherungsschrauben "a" und "c" lockern und einen exzentrischen Schraubendreher in die Kerbe und das Loch "a" und "c" einführen. Den Schraubendreher solange drehen, bis sich die obere Hälfte, die Mitte und die untere Hälfte im Brennpunkt befinden. Bei der Einstellung des Brennpunkts (oben nach unten) ist die Sicherungsschraube "b" vorübergehend festzuziehen, um die θY-Richtungseinstellung zu fixieren.
3. Die obigen Schritte 1 und 2 wiederholen, um den Brennpunkt feineinzustellen. Schließlich sämtliche Sicherungsschrauben gut festziehen.

Hinweis:

① Mit der Brennpunkteinstellung vorsichtig voranschreiten, da die Einstellpositionen in gegenseitigem Bezug zueinander stehen.

② Bei der Einstellung der Konvergenz und des Brennpunkts darauf achten, daß das Zoomobjektiv und die Einstellringe bis zur Beendigung aller Einstellungen nicht verstellt werden.

(B) Einstellung der Konvergenz

- Die G-LCD-Anzeige besitzt keinen Konvergenz-Einstellmechanismus. Diese Anzeige als Referenz für die Konvergenzeinstellung benutzen.

3. Einstellung der B-LCD-Anzeige (gleich wie für R-LCD-Anzeige)

(A) Brennpunkteinstellung

- Das gleiche Verfahren wie bei der Brennpunkteinstellung der G-LCD-Anzeige vornehmen. Es wird darauf hingewiesen, daß der Einstellbereich in Z-Richtung klein ist. Sollten die Konvergenzwerte zwischen der B-LCD-Anzeige und der G-LCD-Anzeige zu unterschiedlich sein, die Konvergenz zuerst grobeinstellen und dann die Brennpunkteinstellung vornehmen.

(B) Konvergenzeinstellung

- Für diese Einstellung ist ein Kreuzschraffier-Muster zu benutzen.
  Die Einstellung ist ausschließlich für die G-Farbe und die zutreffende Farbe.
  (1) Die Konvergenz-Sicherungsschraube "d" lockern.
  (2) Die B-LCD-Anzeige in den Richtungen X, Y und θZ einstellen, wobei die Leinwandmitte der G-LCD-Anzeige als Referenz herangezogen werden muß.
  (3) Schließlich die Konvergenz-Sicherungsschraube "d" festziehen.

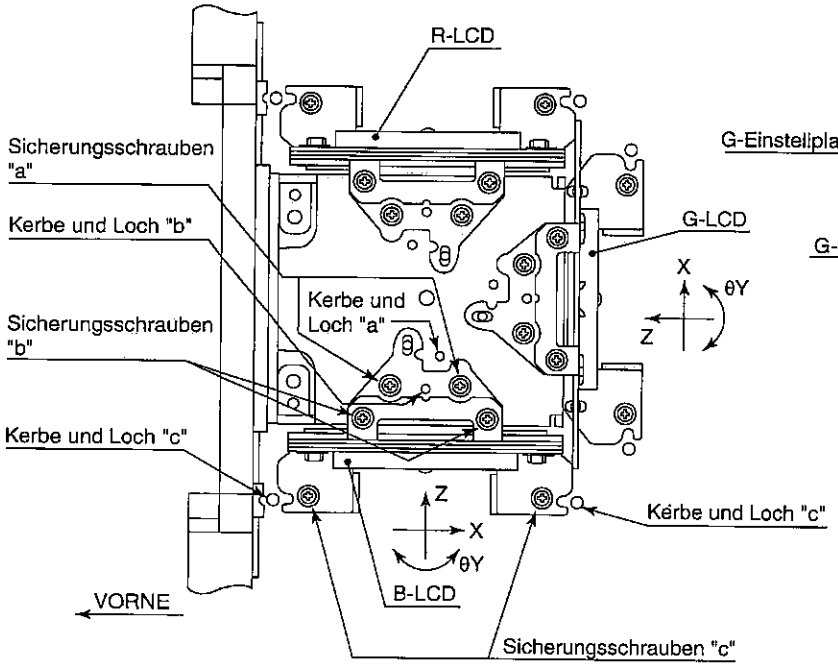
Hinweis:

① Der exzentrische Nocken wird für die Einstellung der Konvergenz benutzt. Das bedeutet daß sich der Nocken dreht und die Linearbewegung nicht immer gleichmäßig verläuft.

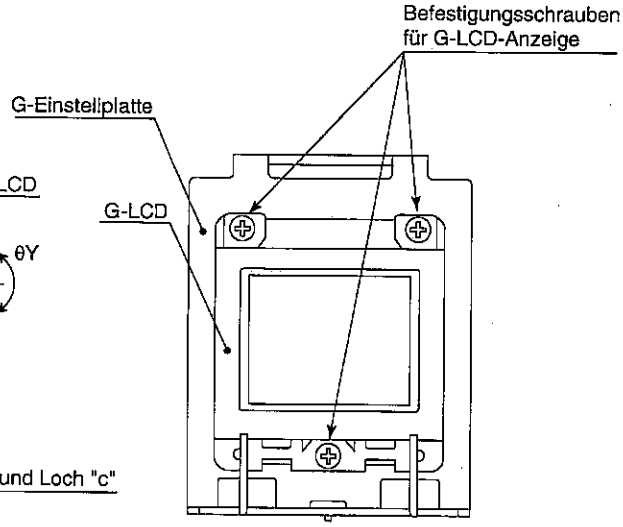
② Dieses Modell ist nicht mit einem LCD-Bildeinstellmechanismus ausgerüstst. Der Grund liegt in der Benutzung des zweifarbigen Prismas für die Bildformierung. Wenn alle LCD-Anzeigen optimal fokussiert sind, sind die Bilder fast vollständig konvergiert.

Konvergenz- und Brennpunkt-Einstellmechanismus

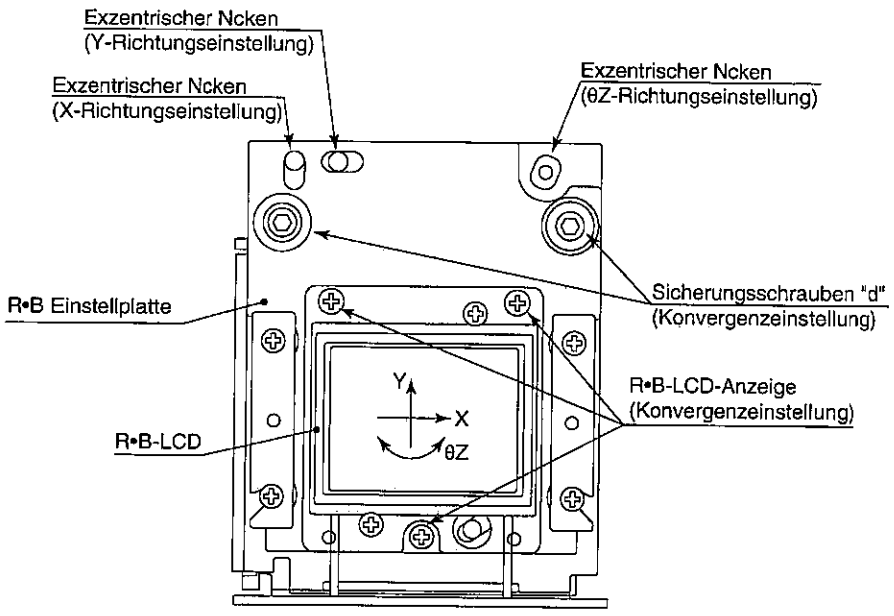
DRAUFSICHT



SEITENANSICHT



SEITENANSICHT



Konvergenz- und Brennpunkteinstellungen auf einen Blick

Einstellrichtungen

Einstellung	Richtung	Definition	Richtung der LCD-Anzeige
Konvergenz	X-Richtung		LCD rechts und links
	Y-Richtung		LCD oben und unten
	θZ-Richtung	Drehung um die Z-Achse	LCD-Drehachse
Brennpunkt	Z-Richtung		LCD, optische Achse
	θX-Richtung	Drehung um die X-Achse	LCD, oben bis unten (flattert)
	θY-Richtung	Drehung um die Y-Achse	LCD, rechts bis links (flattert)

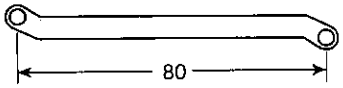
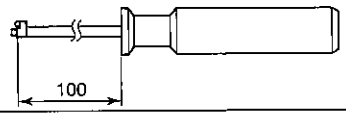
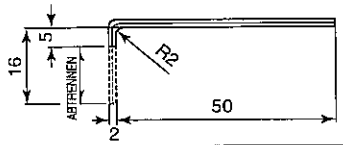
Konvergenz- und Brennpunkteinstellung für den Optikmechanismus XG-XV1E/A

Farbe	Einstellung	Richtung	Bewegung	Position	Einstellwerkzeug	Sicherungsschraube	Festziehwerkzeug
R/B -Farben	Konvergenz	X-Richtung	±1mm	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
		Y-Richtung	±1mm	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
		θZ-Richtung	±2°	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
	Brennpunkt	Z-Richtung	±1.65mm	Kerbe und Loch "a" und "c"	Exzentrischer Schraubendreher	a, c	Kreuzschlitz -Schraubendreher
		θX-Richtung	±2°	Kerbe und Loch "a" und "c"		a, c	
		θY-Richtung	±2°	Kerbe und Loch "b" und "c"		b, c	
G-Farbe	Brennpunkt	Z-Richtung	±0.5mm	Gleich wie für R- und B-Farben			
		θX-Richtung	±2°				
		θY-Richtung	±2°				

Brennpunkteinstellung in die andere Richtung

Sicherungsschraube	Position	Zugehörige Richtung
a	Kerbe und Loch "a"	Richtungen Z und θX
b	Kerbe und Loch "b"	θY-Richtung
c	Kerbe und Loch "c"	Richtungen Z, θX und θY

Konvergenz- und Brennpunkteinstellung sowie Festziehwerkzeuge

Werkzeug	Spezifisch oder allgemein	Werkzeugcode	Konfiguration
Exzentrischer Nockeneinstellschlüssel	spezifisch	9DASPN-XGNV1U	
Exzentrischer Schraubendreher	spezifisch	9EQDRiVER-NV1A	
Innensechskantschlüssel	allgemein (verändert)	9EQLNC-XGNV1U	
Kreuzschlitz-Schraubendreher	allgemein	—	Für Linsenrundkopfschraube M2.6

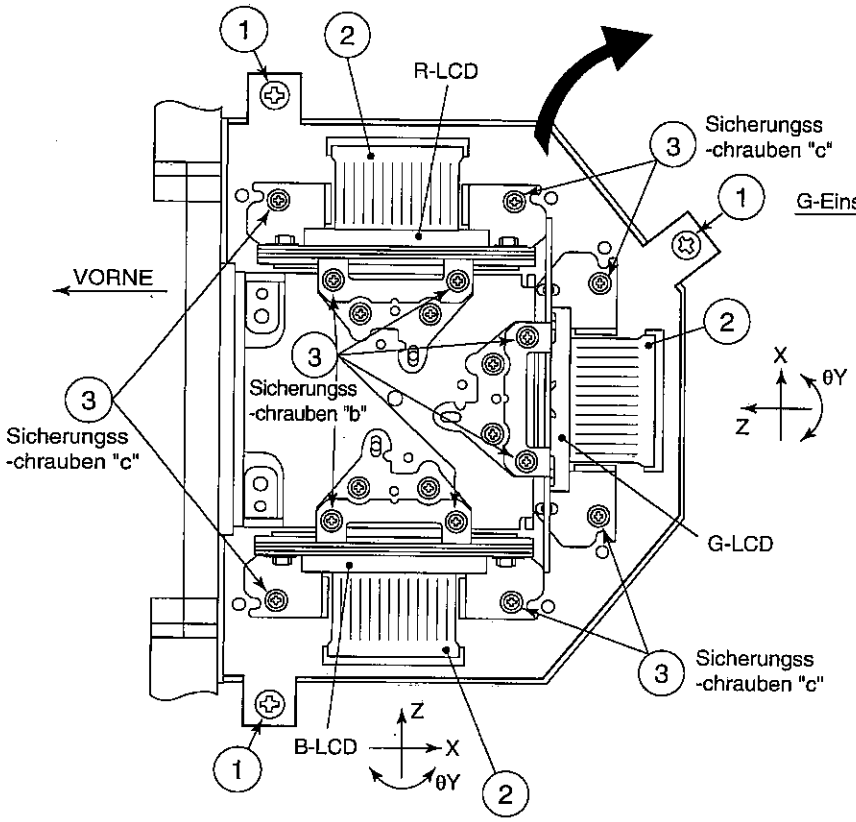
Auswechseln der LCDs

Bei entferntem oberen Gehäuseteil:

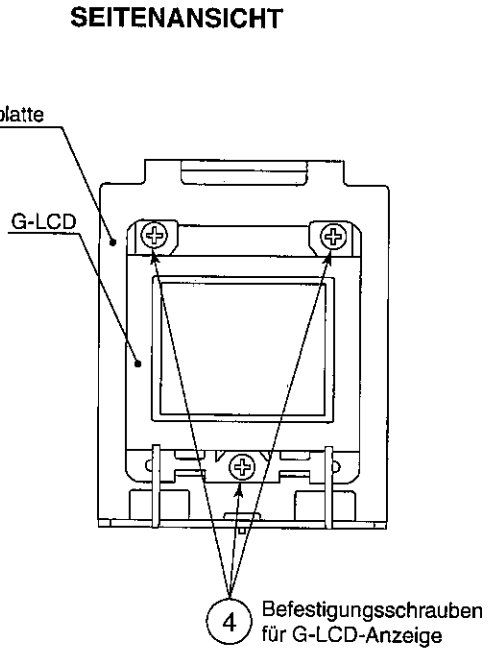
(1) Die drei Schrauben von der Ausgangseinheit-Abschirmung losdrehen.
(2) Das LCD-Flachkabel vom Platinen-Ausgangsstecker abklemmen.
(3) Die Sicherungsschrauben "b" und "c" losdrehen. Die R/B-Einstellplatte abnehmen, oder die G-Einstellplatte zusammen mit der LCD-Anzeige entfernen.
(4) Die LCD-Anzeige von der Einstellplatte trennen.
(5) Eine neue LCD-Anzeige in umgekehrter Reihenfolge der vorhergehenden Schritte (1), (2), (3) und (4) montieren.

* Die Konvergenz und den Brennpunkt erneut einstellen. Es wird darauf hingewiesen, daß die G-LCD-Anzeige keine Konvergenzeinstellung erforderlich macht und in Z-Richtung nur einen kleinen Einstellbereich aufweist.

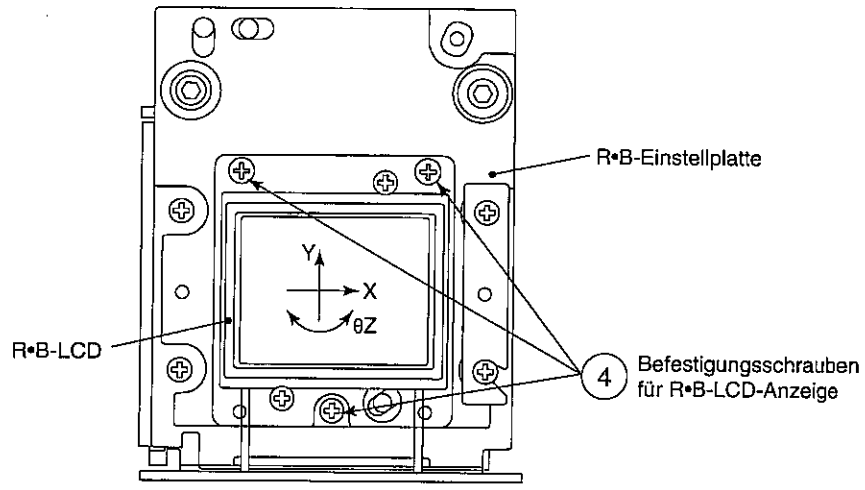
DRAUFSICHT



SEITENANSICHT



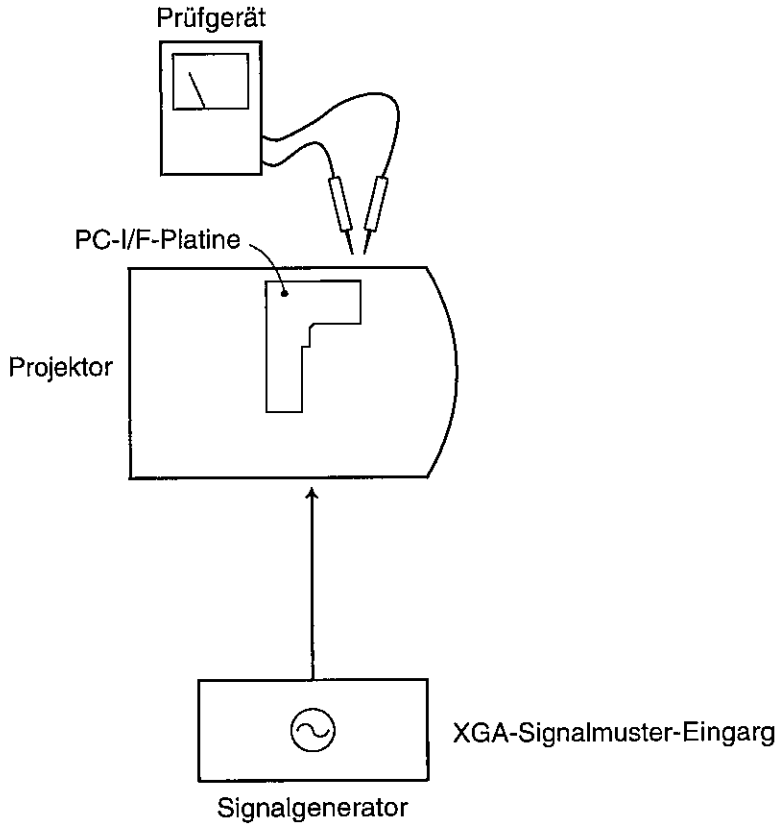
SEITENANSICHT



SPANNUNGSMESSUNG

Meßverfahren: PC-I/F-Einheit (CPCi-0023CE01)

1. Das XGA-Signalmuster vom Signalgenerator zuführen.
2. Die Spannung an allen Prüfpunkten der PC-I/F-Platine messen.

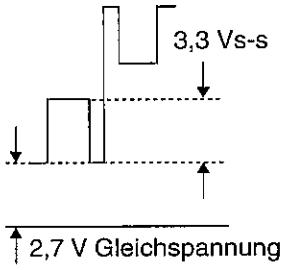
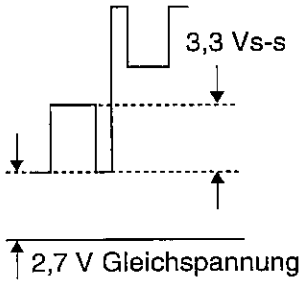


ELEKTRISCHE EINSTELLUNGEN

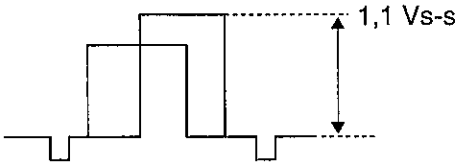
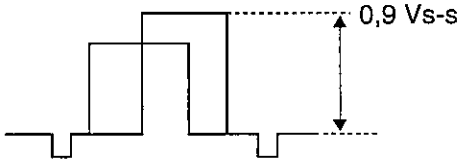
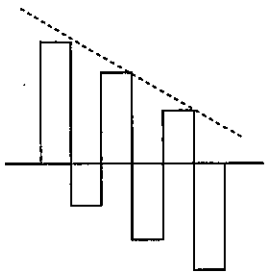
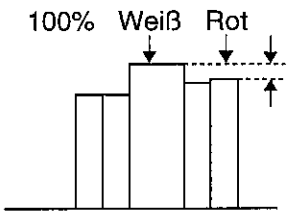
Einen Signalgenerator bzw. einen PC oder Macintosh-Computer an den Projektor anschließen, um die Signale zuzuführen, die in den Einstellbedingungen aufgeführt sind.

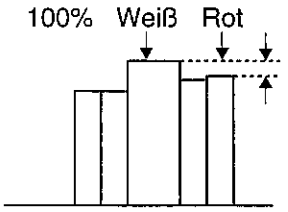
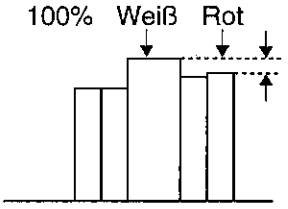
Hinweis: Sämtliche Einstelldaten werden durch Werkseinstellungen (FACTORY SETTING 1 oder FACTORY SETTING 2) gelöscht. Vor der Benutzung der vorherigen Einstelldaten müssen die veränderten Daten vor Einstellung der Originaldaten aufgeschrieben werden.

Nr.	Einstellgegenstand	Einstellbedingungen	Einstellverfahren
1	**EEPROM wird initialisiert (Hinweis)**	1. Den Netzschalter einschalten und das Gerät für ca. 15 Minuten vorwärmen lassen. (Sicherstellen, daß die Kontrollampe aufleuchtet.)	• Folgende Einstellungen vornehmen: S5001 drücken, um den Verarbeitungsmodus abzurufen, und um S2 im SSS-Menü auszuführen. Das System ist nun initialisiert (PC-Platine nicht miteingeschlossen). Um Einstellungen an der PC-Platine (Nummern 2, 3 und 4) vorzunehmen, ist S1 auszuführen. Wenn keine Veränderungen an der PC-Platine vorgenommen werden, darf S1 nicht ausgeführt werden.
2	**Helligkeitseinstellung für PC-Platine**	1. Das XGA-Schwarzsignal zuführen. 2. Das Oszilloskop an TP2 anschließen. 3. Folgende Wahl vornehmen: Gruppe : OUTPUT 2 Position : BRIGHT 4. Die Stummschalttaste drücken, um den Farbbalkentest zu löschen (wird automatisch ausgegeben).	• Den Schwarzsignalwert auf 1,7 V Gleichspannung anheben und 10 Punkte zum Einstellwert zufügen.
3	**Analog/Digital-Wandler-Bezugsspannung-seinstellung für PC-Platine**	1. Gruppe : Analog/Digital Position : ROS GOS BOS	• Die Pluspol-Spannung von C64 auf 1,7 V einstellen. • Die Pluspol-Spannung von C57 und C50 in den Positionen GOS und BOS in ähnlicher Weise einstellen.
4	**Treibereinstellung für PC-Platine**	1. Gruppe : Analog/Digital Position : GAIN auf 163 einstellen. 2. Das XGA- und Grauskalensignal zuführen. 3. Das Oszilloskop an TP1 anschließen. 4. Folgende Wahl vornehmen: Gruppe : Analog/Digital Position : R-D	• Die Einstellung so vornehmen, daß der Weißspitzenwert des Signals 3,6 V Gleichspannung entspricht. Zu diesem Zeitpunkt sicherstellen, daß die Wellenform an der Schwarzwert- und Weißwertseite nicht deformiert sind. • Einstellungen für TP2 und TP3 in den Posten G-D und fB-D in ähnlicher ausführen.

Nr.	Einstellgegenstand	Einstellbedingungen	Einstellverfahren
5	**Schwarzwert-Signalamplitude von RGB 1**	1. olgende Wahl vornehmen: Gruppe : OUTPUT 1 Position: R1-BLK R1-GAIN (Das Farbbalken-Testmuster wird automatisch ausgegeben.) Für Grün sind die Posten G1-BLK und G1-GAIN zu wählen. Für Schwarz sind die Posten B1-BLK und B1-GAIN zu wählen. 2. Das Oszilloskop an Stift (5) (TP1101) von SC1101 für Rot anschließen. Stift (5) (TP1201) von SC1201 für Grün Stift (5) (TP1301) von SC1301 für Blau	• 1. Den Posten R1-BLK wählen und den Schwarzspitzenwert auf 2,7 ±0,1 V Gleichspannung einstellen. Hierfür den Membranschalter oder die Fernbedientaste betätigen. • Als nächstes den Posten R1-GAIN wählen und die Signalamplitude auf 3,3 ±0,1 Vs-s einstellen. • Die gleiche Einstellung für Grün und Blau vornehmen. 
6	**Schwarzwert-Signalamplitude von RGB 2**	1. Folgende Wahl vornehmen: Gruppe : OUTPUT 2 Position: R2-BLK(R) R2-GAIN Für Grün sind die Posten G2-BLK und G2-GAIN zu wählen. Für Schwarz sind die Posten B2-BLK und B2-GAIN zu wählen. 2. Das Oszilloskop an Stift (6) (TP1102) von SC1101 für Rot anschließen. Stift (6) (TP1202) von SC1201 für Grün Stift (6) (TP1302) von SC1301 für Blau	• Den Posten R2-BLK wählen und den Schwarzspitzenwert auf 2,7 ±0,1 V Gleichspannung einstellen. Hierfür den Membranschalter oder die Fernbedientaste betätigen. • Als nächstes den Posten R2-GAIN wählen und die Signalamplitude auf 3,3 ±0,1 Vs-s einstellen.  • Die gleiche Einstellung für Grün und Blau vornehmen. • Das XGA-Einzelfarben-Abstufungsmustersignal zuführen und sicherstellen, daß kein Unterschied in der Helligkeit zwischen den benachbarten Vertikalzeilen besteht. Falls ein Helligkeitsunterschied besteht, muß die Feineinstellung anhand der folgenden Posten eingestellt werden: R2-GAIN für Rot G2-GAIN für Grün B2-GAIN für Blau
7	**Muster- und Halteimpulsphase**	1. Das SXGA-Schwarzwertsignal zuführen. 2. Folgende Wahl vornehmen: Gruppe : OUTPUT 3 Position: SH-PHASE	• Die Einstellung mit dem Membranschalter oder der Fernbedientaste vornehmen. Dabei die Einstellung so durchführen, daß die Buchstaben am Einstellmenü am wenigsten verschwommen sind bzw. überlappen. (Die Einstellung vornehmen, wenn der Name "OUTPUT 3" erscheint und die Postenbezeichnung "SH-PHASE" noch nicht angezeigt ist.)

Nr.	Einstellgegenstand	Einstellbedingungen	Einstellverfahren
8	**Einstellung der RGB-Gegenspannung**	1. Das 25%-Schwarz/Rot-Streifensignal (XGA) zuführen. Wenn dieses Mustersignal nicht vorhanden ist, muß das Horizontal-Streifensignal vom Desktop-Mustermenü gewählt werden. 2. Folgende Wahl vornehmen: Gruppe : OUTPUT 3 Position: RC (R)	• Die Daten einstellen, um das Bildflimmern zu reduzieren. Hierfür den Membranschalter oder die Fernbedientaste benutzen. • Die gleiche Einstellung für BC (B) und GC (G) vornehmen.
9	**Regenerierungseinstellung für RGB-Abstufung**	1. Das XGA-Signalmustersignal (nur Grün; über 16 Abstufungen) zuführen. Gruppe : OUTPUT 1 Position: G1-GAIN	• Die G1-GAIN-Daten einstellen, bis die erste und zweite Abstufung geringfügig erkannt werden kann. (Zuerst den G1-GAIN-Pegel anheben, bis die Abstufung erkannt wird, dann den Pegel einstellen, indem dieser wieder abgesenkt wird.
10	**RGB-Weißbalance**	1. Das XGA-Grauskalensignal zuführen. Gruppe : OUTPUT 1 Position: R1-BLK R1-GAIN (R) B1-BLK B1-GAIN (B)	• Die Posten R1-BLK und B1-BLK wählen und die Schwarzbalance der Abstufung einstellen. Die Posten von R1-GAIN und B1-GAIN wählen und die Grau-zu-Weißbalance einstellen, so daß der gesamte Bildschirm farblos erscheint.
11	**NTSC 4fsc**	1. Die Gruppe VIDEO 1 wählen, um jegliche Signale vom Gerät fernzuhalten. 2. Das Farbsystem dem N358 zufügen. 3. Den Frequenzzähler zwischen TP401 und GND anschließen.	• C450 soweit verstellen, daß der Frequenzzähler 14,31818 MHz ±50 Hz anzeigt.
12	**PAL 4fsc**	1. Die Gruppe VIDEO 1 wählen, um jegliche Signale vom Gerät fernzuhalten. 2. Das Farbsystem dem PAL-System zufügen. 3. Den Frequenzzähler zwischen TP401 und GND anschließen.	• C446 soweit verstellen, daß der Frequenzzähler 17,734475 MHz ±50 Hz anzeigt.
13	**Horizontale Mitte**	1. Das NTSC-Monoskopsignal zuführen. Gruppe : VIDEO 1 Position: NTSC-H	• Die Daten so einstellen, daß sie die gleichen Randzonen aufweisen. Hierfür den Membranschalter oder die Fernbedientaste benutzen.

Nr.	Einstellgegenstand	Einstellbedingungen	Einstellverfahren
14	**Einstellung des Videobilds**	1. Folgende Wahl vornehmen: Gruppe : VIDEO 1 Position: PICTURE 2. Das Oszilloskop zwischen Stift (2) von P801 und GND anschließen.	• Die Schwarz-zu-Weiß Signalpegeldifferenz (100%) auf 1,1 ±0,02 Vs-s einstellen. Hierfür den Membranschalter oder die Fernbedientaste benutzen. 
15	**Video AVR**	1. Das NTSC-Trennfarbbalkensignal zuführen. Gruppe : VIDEO 1 Position: AGC 2. Das Oszilloskop zwischen Stift (2) von P801 und GND anschließen.	• Die Schwarz-zu-Weiß Signalpegeldifferenz (100%) auf 0,9 ±0,02 Vs-s einstellen. Hierfür den Membranschalter oder die Fernbedientaste benutzen. 
16	**Einstellung der Bildhelligkeit**	1. Das NTSC-Schwarzsignal zuführen. Gruppe : VIDEO 1 Position: BRIGHT 2. Den Membranschalter oder die Stummschalttaste auf der Fernbedienung drücken, um die Gammakorrektur auf die Verarbeitungseinstellung einzustellen.	• 2 Punkte vom dem Pegel abziehen, wo der Schwarzsignalwert "bitlos" (gestrichelt) erscheint. Hierfür den Membranschalter oder die Fernbedientaste benutzen.
17	**Farbton**	1. Das NTSC-Farbbalkensignal zuführen. Gruppe : VIDEO 1 Position: TINT 2. Das Oszilloskop an Stift (5) von P801 anschließen.	• Die Daten so einstellen, daß die B/Y-Wellenform geradlinig abfällt. 
18	**NTSC-Farbsättigungspegel**	1. Das NTSC-Farbbalkensignal zuführen. Grupp : VIDEO 1 Position: N-COLOR 2. Das Oszilloskop an Stift (1) von P801 anschließen.	• Die Differenz (100%) des Weiß- und Rotanteils auf 0,1 ±0,02 Vs-s einstellen. Hierfür den Membranschalter oder die Fernbedientaste benutzen. 

Nr.	Einstellgegenstand	Einstellbedingungen	Einstellverfahren
19	**PAL-Farbsättigungspegel**	1. Das PAL-Farbbalkensignal zuführen. Gruppe : VIDEO 1 Position: P-COLOR 2. Das Oszilloskop an Stift (1) von P801 anschließen.	• Die Differenz (100%) des Weiß- und Rotanteils auf 0,1 ±0,02 Vs-s einstellen. Hierfür den Membranschalter oder die Fernbedientaste benutzen. 
20	**SECAM-Farbsättigungspegel**	1. Das SECAM-Farbbalkensignal zuführen. Gruppe : VIDEO 1 Position: S-COLOR 2. Das Oszilloskop an Stift (1) von P801 anschließen.	• Die Differenz (100%) des Weiß- und Rotanteils auf 0,1 ±0,02 Vs-s einstellen. Hierfür den Membranschalter oder die Fernbedientaste benutzen. 
21	**Video-Weißbalance**	1. Das NTSC-Monoskopsignal zuführen. Gruppe : VIDEO 2 Position: R1-GAIN B1-GAIN	• Die Posten von R1-GAIN und B1-GAIN wählen und die Grau-zu-Weißbalance einstellen, so daß der gesamte Bildschirm farblos erscheint. Wenn die schwarze Seite nicht ordnungsgemäß eingestellt ist, zuerst die schwarze Seite anhand der folgenden Wahl einstellen: Gruppe : OUTPUT 1 Position : R1-BLK B1-BLK Danach die folgenden Wahl treffen: Gruppe : VIDEO 2 Position : R1-GAIN B1-GAIN Die verwandten Daten einstellen. Da die Posten R1-BLK und B1-BLK für die RGB- und VIDEO-Eingabe allgemeiner Natur sind, das RGB-Signal erneut zuführen um die Weißbalance einzustellen.
22	**Leistungsprüfung des Farbsystems**	1. Das Farbbalkensignal empfangen.	• Im Verarbeitungsmodus L1 anwählen. Die Farbe und die Tönung überprüfen.
23	**Leistungsprüfung des Videosystems**	1. Das Monoskopsignal empfangen.	• Im Verarbeitungsmodus L2 anwählen. Die Farbe und die Tönung überprüfen.

Nr.	Einstellgegenstand	Einstellbedingungen	Einstellverfahren
24	**Leistungsprüfung des Audiosystems**		• Im Verarbeitungsmodus L3 anwählen. Baß, Höhen und Balance überprüfen.
25	**RGB-Leistungsprüfung**	1. Das RGB-Signal empfangen.	• Im Verarbeitungsmodus L4 anwählen. Bild, Helligkeit, Rot, Blau, Takt, Phase, Horizontal- und Vertikalposition überprüfen.
26	**Leistungsprüfung Off-Timer**		• Im Verarbeitungsmodus OFF anwählen. Sicherstellen, daß der Off-Timer bei "5" (Minuten) beginnt, jede Minute in 1 sec Intervallen herunterzählt und das Gerät bei "0" ausschaltet.
27	**Einstellung für Objektivverstellung**	1. Gruppe : LENS Position : LENS AUTO	• Die Objektiv-Mittelposition einstellen (Objektivmitte kommt zur △ -Marke an der vorderen Gehäuseseite). • Wenn die ENTER-Taste nach der Wahl der LENS AUTO-Position gedrückt wird, werden die Daten automatisch zugeführt.
28	**Werkseinstellungen**		• S4 der Gruppe SSS ausführen, um die Werkseinstellungen zu erhalten.

• Verarbeitungs-Einstellmodusmenü

(Wahltaste: Stummschalttaste)

1) Hauptmenü

ADJ IN Ver. 0.1
A/D
OUTPUT 1
OUTPUT 2
OUTPUT 3
VIDEO 1
VIDEO 2
LINE
SSS
PATTERN
LENS

2) Analog/Digital-Menü

A/D	
ROS	128
GOS	128
BOS	128
GAIN	128
R-D	128
B-D	128
G-D	128

Dieses Menü dient zur Wahl der Gammaeinstellung für normalen Betrieb oder für Verarbeitungsbetrieb. (Anfängliche Einstellung: ON)

3) OUTPUT 1-Menü

OUTPUT 1	
R1-BLK	128
R1-GAIN	128
G1-BLK	128
G1-GAIN	128
B1-BLK	128
B1-GAIN	128

Dieses Menü dient zur Wahl der ON/ OFF-Farbbalken-Musteranzeige. (Anfängliche Einstellung: ON)

4) OUTPUT 2-Menü

OUTPUT 2	
R1-BLK	128
R1-GAIN	128
G1-BLK	128
G1-GAIN	128
B1-BLK	128
B1-GAIN	128

Dieses Menü dient zur Wahl der ON/ OFF-Farbbalken-Musteranzeige. (Anfängliche Einstellung: ON)

5) OUTPUT 3-Menü

OUTPUT 3	
RC	128
GC	128
BC	128
SH-PHASE	8
RCK-PHASE	8
GCK-PHASE	8
BCK-PHASE	8

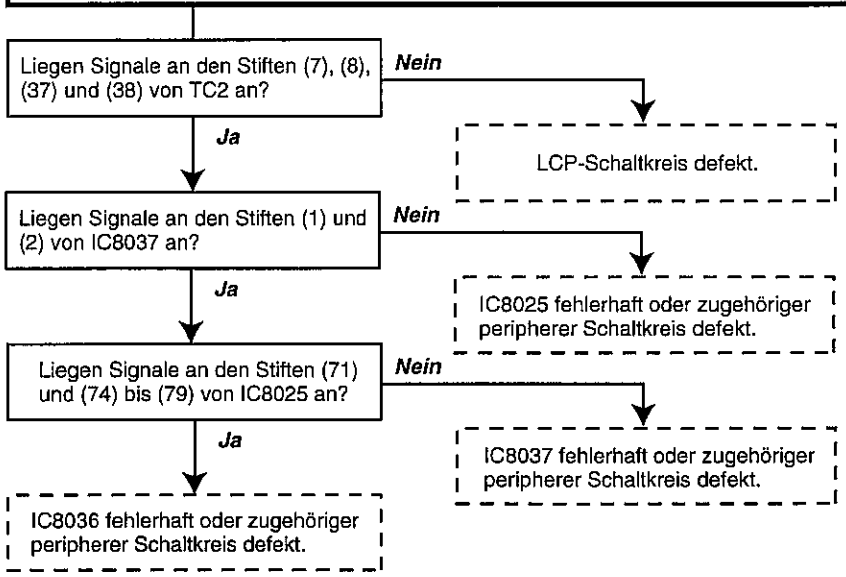
6) VIDEO 1-Menü

VIDEO 1	
NTSC-H	32
PICTURE	128
AGC	128
BRIGHT	128
TINT	128
N-COLOR	128
P-COLOR	128
S-COLOR	128

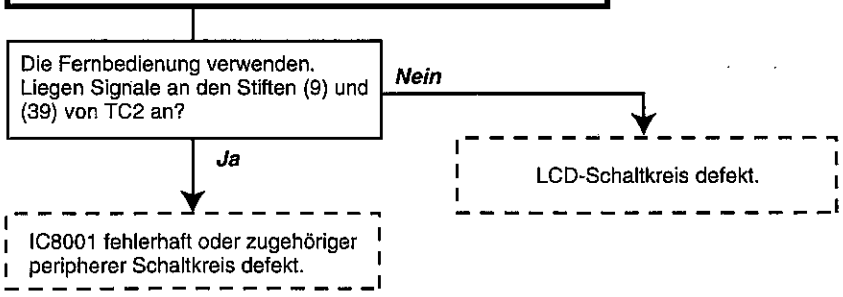
Dieses Menü dient zur Wahl der Gammaeinstellung für normalen Betrieb oder für Verarbeitungsbetrieb. (Anfängliche Einstellung: OFF)

FEHLERSUCHTABELLE (Fortsetzung)

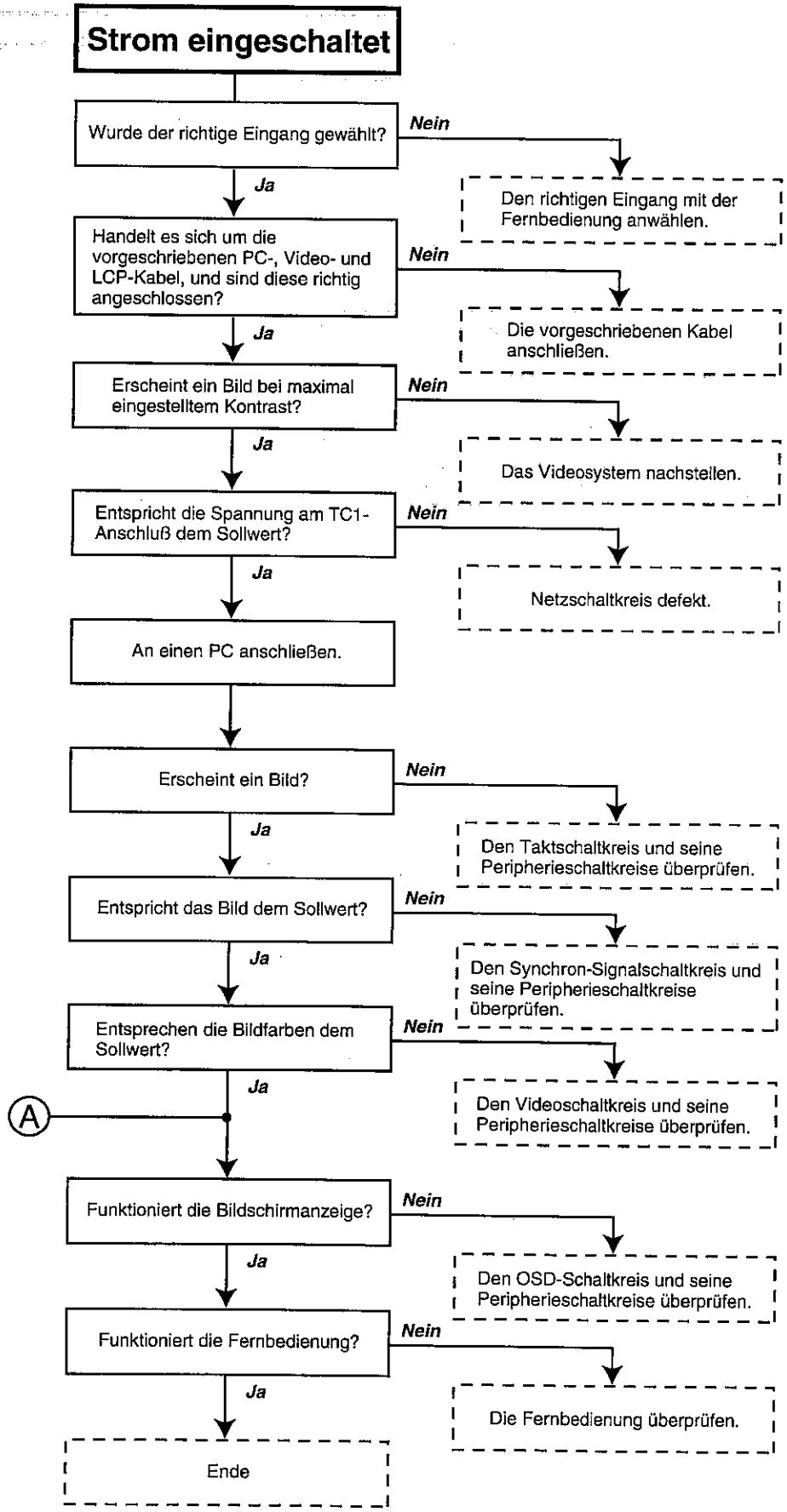
Überprüfung für OSD-Schaltkreis und seiner Peripherieschaltkreise


Liegen Signale an den Stiften (7), (8), (37) und (38) von TC2 an?
Nein
LCP-Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (1) und (2) von IC8037 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (71) und (74) bis (79) von IC8025 an?
Nein
IC8037 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
IC8036 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.

Überprüfung der Fernbedienung

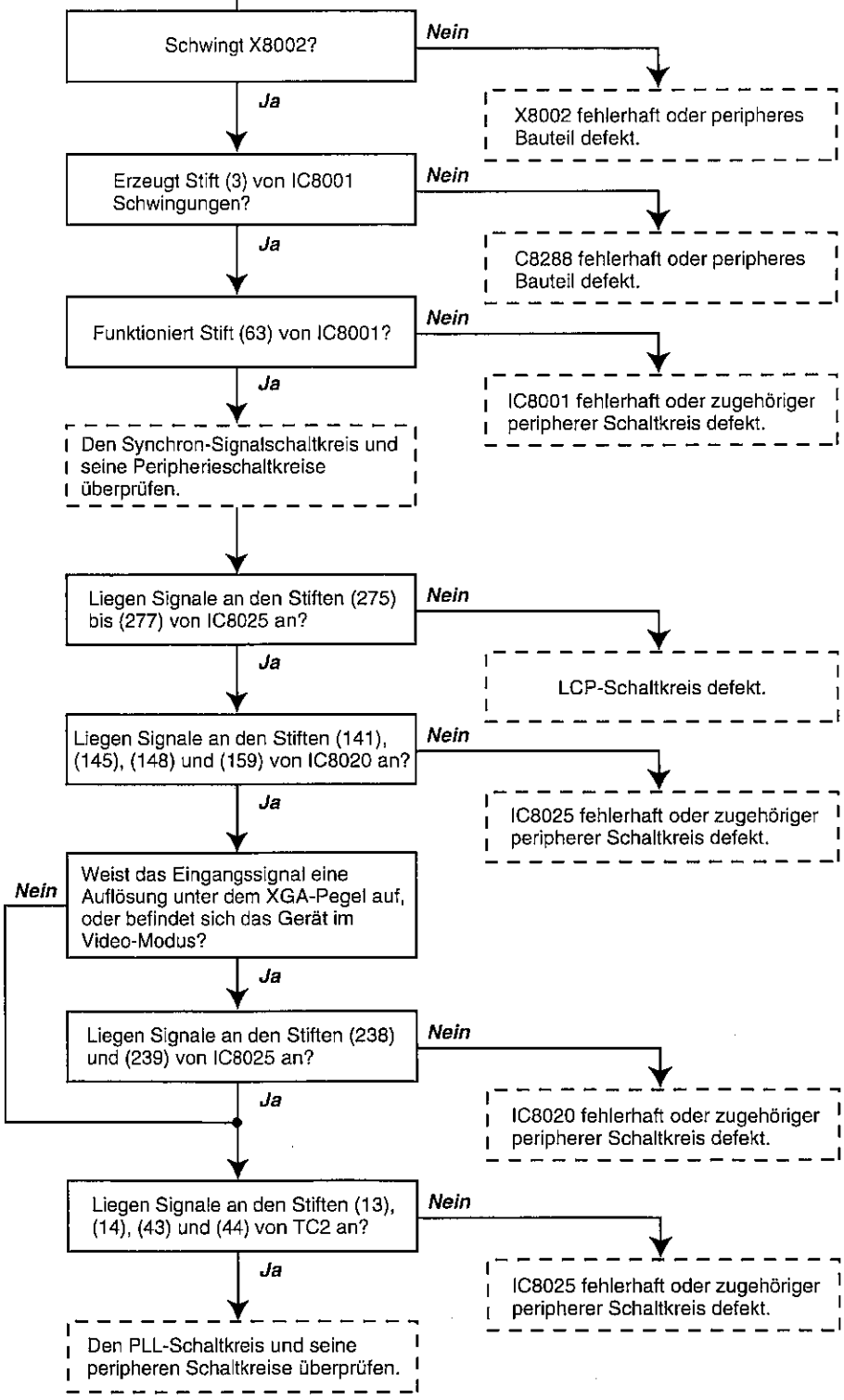

Die Fernbedienung verwenden. Liegen Signale an den Stiften (9) und (39) von TC2 an?
Nein
LCD-Schaltkreis defekt.
Ja
IC8001 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.

FEHLERSUCHTABELLE



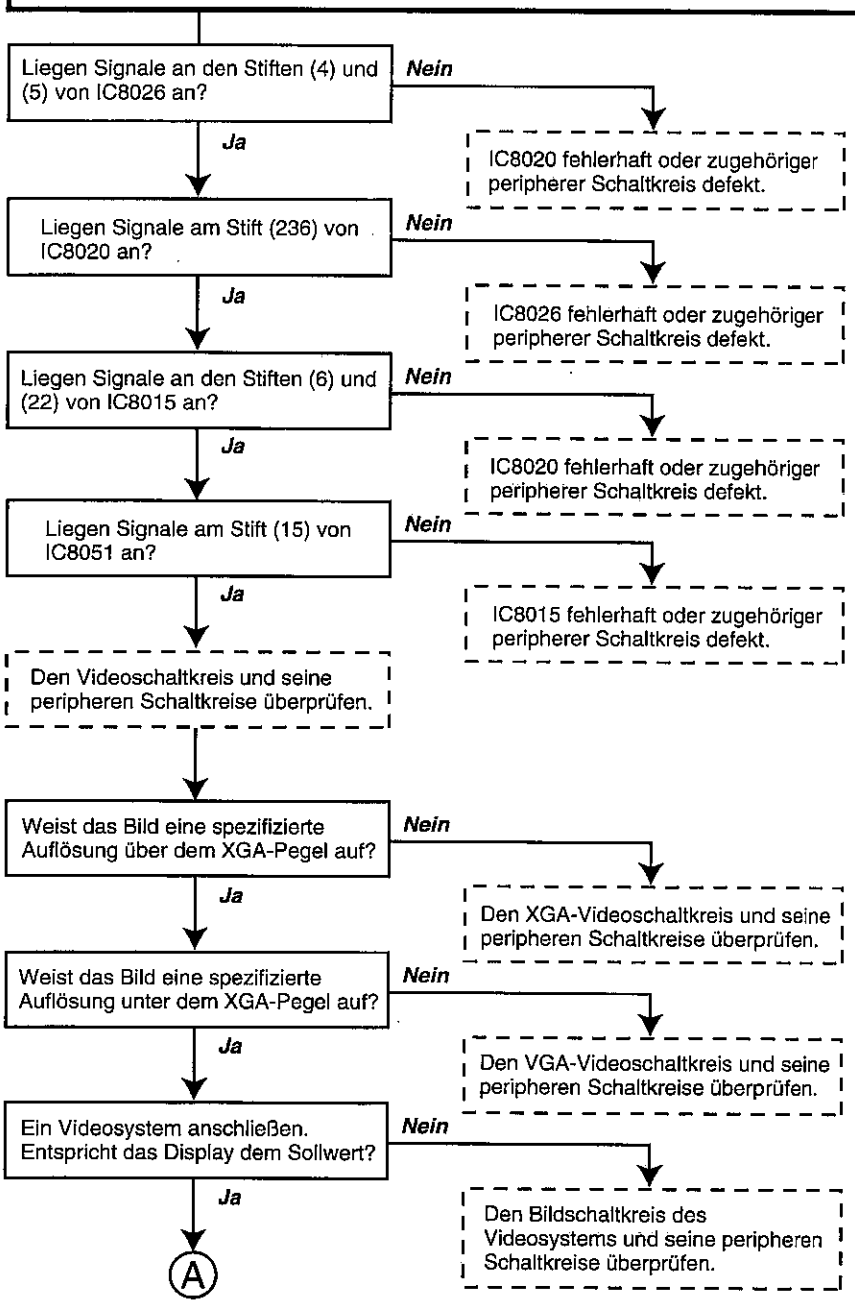
FEHLERSUCHTABELLE (Fortsetzung)

Überprüfung für Taktschaltkreis und seine Peripherieschaltkreise

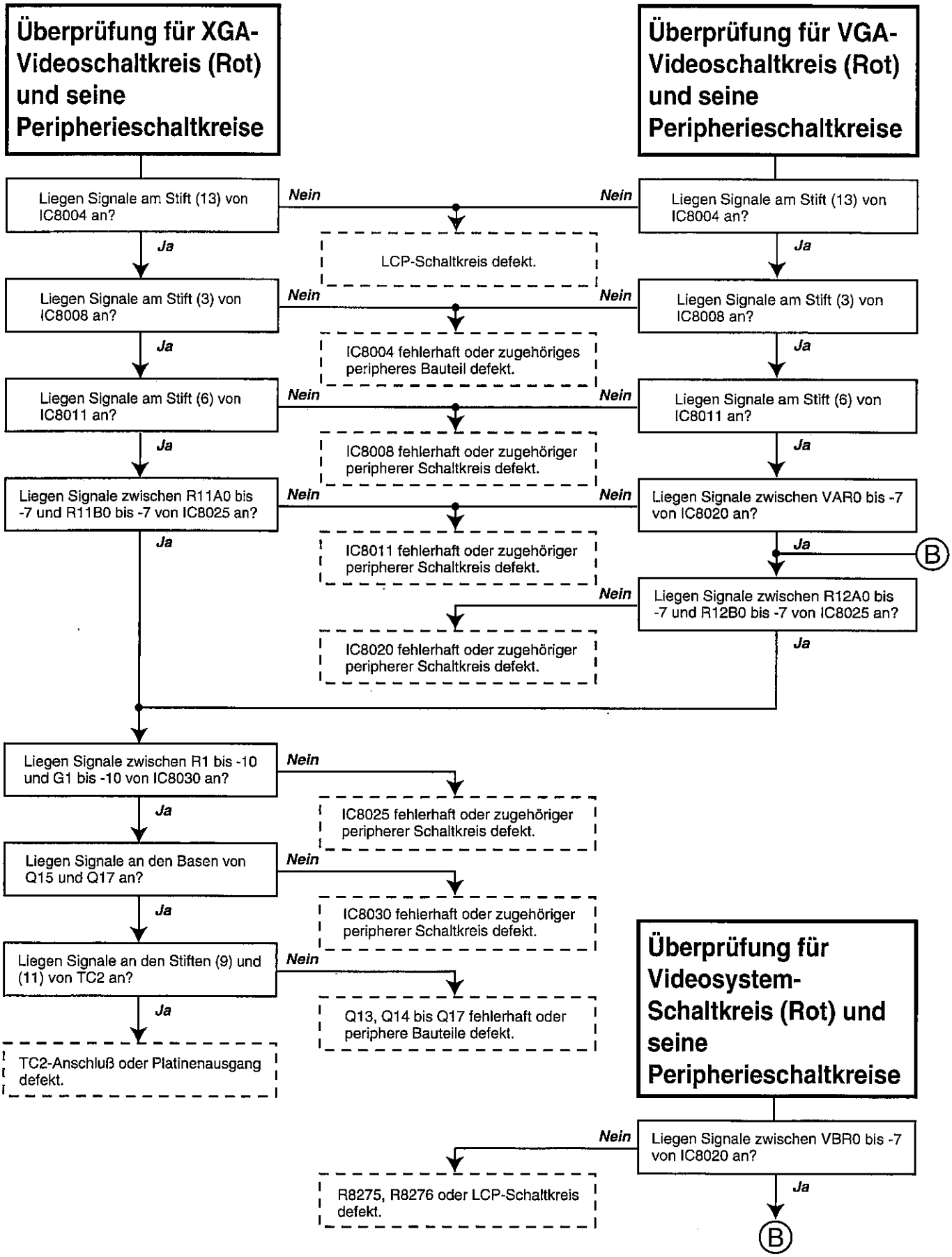

Schwingt X8002?
Nein
X8002 fehlerhaft oder peripheres Bauteil defekt.
Ja
Erzeugt Stift (3) von IC8001 Schwingungen?
Nein
C8288 fehlerhaft oder peripheres Bauteil defekt.
Ja
Funktioniert Stift (63) von IC8001?
Nein
IC8001 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Den Synchron-Signalschaltkreis und seine Peripherieschaltkreise überprüfen.
Liegen Signale an den Stiften (275) bis (277) von IC8025 an?
Nein
LCP-Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (141), (145), (148) und (159) von IC8020 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Weist das Eingangssignal eine Auflösung unter dem XGA-Pegel auf, oder befindet sich das Gerät im Video-Modus?
Nein
Ja
Liegen Signale an den Stiften (238) und (239) von IC8025 an?
Nein
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (13), (14), (43) und (44) von TC2 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Den PLL-Schaltkreis und seine peripheren Schaltkreise überprüfen.

FEHLERSUCHTABELLE (Fortsetzung)

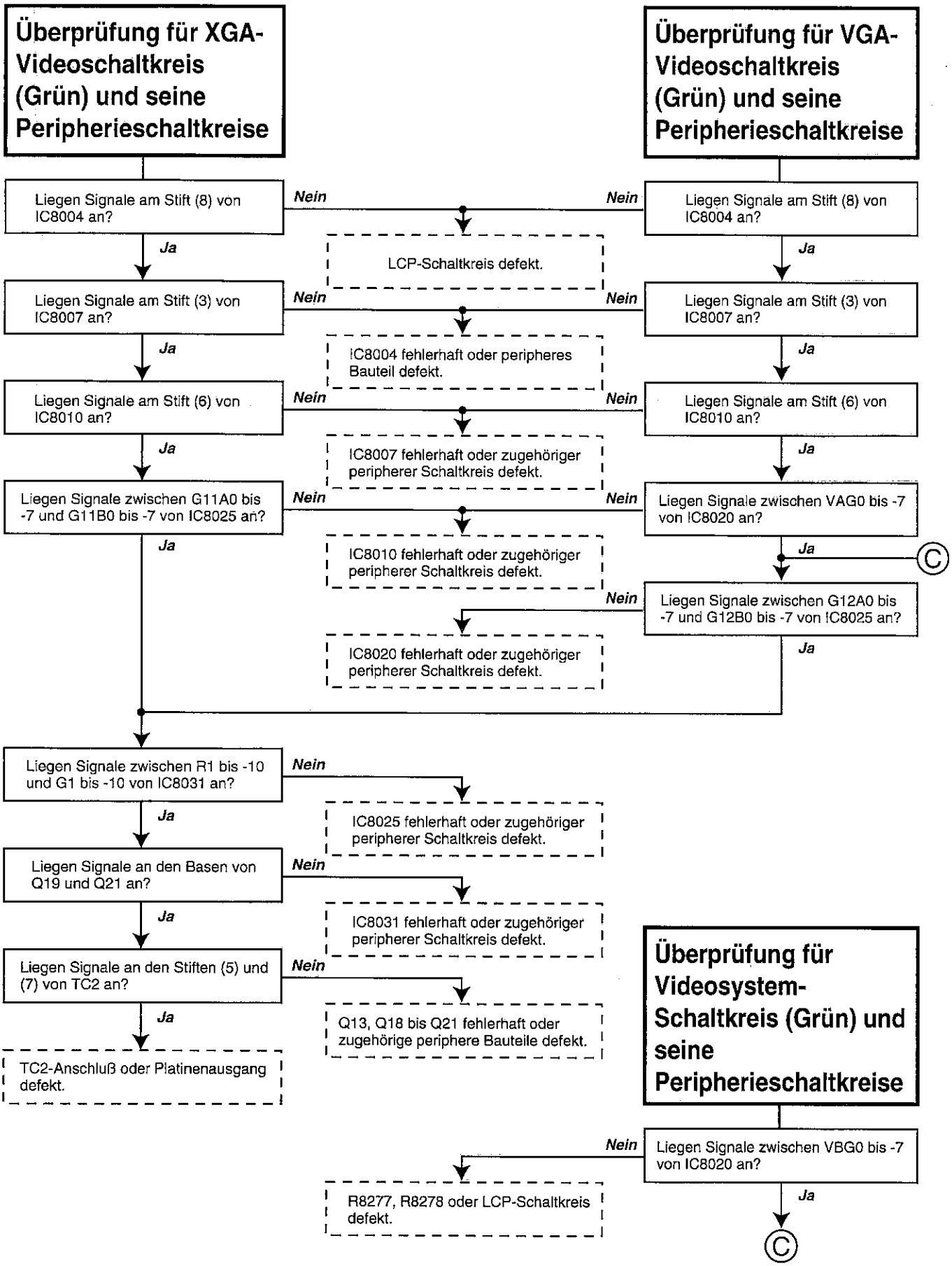
Überprüfung für PLL-Schaltkreis und seine Peripherieschaltkreise


Liegen Signale an den Stiften (4) und (5) von IC8026 an?
Nein
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale am Stift (236) von IC8020 an?
Nein
IC8026 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (6) und (22) von IC8015 an?
Nein
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale am Stift (15) von IC8051 an?
Nein
IC8015 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Den Videoschaltkreis und seine peripheren Schaltkreise überprüfen.
Weist das Bild eine spezifizierte Auflösung über dem XGA-Pegel auf?
Nein
Den XGA-Videoschaltkreis und seine peripheren Schaltkreise überprüfen.
Ja
Weist das Bild eine spezifizierte Auflösung unter dem XGA-Pegel auf?
Nein
Den VGA-Videoschaltkreis und seine peripheren Schaltkreise überprüfen.
Ja
Ein Videosystem anschließen. Entspricht das Display dem Sollwert?
Nein
Den Bildschaltkreis des Videosystems und seine peripheren Schaltkreise überprüfen.
Ja
A

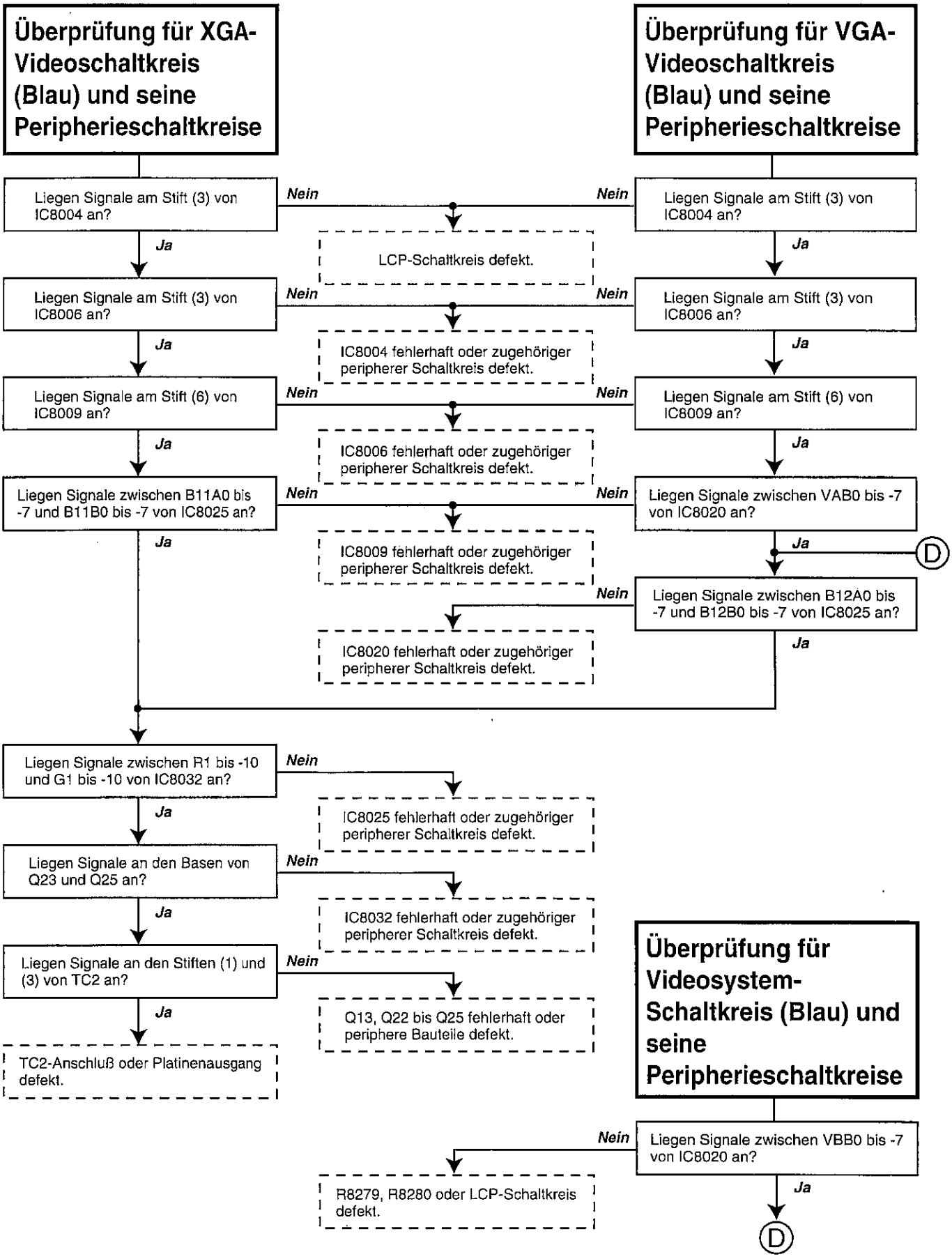
FEHLERSUCHTABELLE (Fortsetzung)


Überprüfung für XGA-Videoschaltkreis (Rot) und seine Peripherieschaltkreise
Liegen Signale am Stift (13) von IC8004 an?
Nein
LCP-Schaltkreis defekt.
Ja
Liegen Signale am Stift (3) von IC8008 an?
Nein
IC8004 fehlerhaft oder zugehöriges peripheres Bauteil defekt.
Ja
Liegen Signale am Stift (6) von IC8011 an?
Nein
IC8008 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen R11A0 bis -7 und R11B0 bis -7 von IC8025 an?
Nein
IC8011 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen R1 bis -10 und G1 bis -10 von IC8030 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Basen von Q15 und Q17 an?
Nein
IC8030 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (9) und (11) von TC2 an?
Nein
Q13, Q14 bis Q17 fehlerhaft oder periphere Bauteile defekt.
Ja
TC2-Anschluß oder Platinenausgang defekt.
Überprüfung für VGA-Videoschaltkreis (Rot) und seine Peripherieschaltkreise
Liegen Signale am Stift (13) von IC8004 an?
Nein
Ja
Liegen Signale am Stift (3) von IC8008 an?
Nein
Ja
Liegen Signale am Stift (6) von IC8011 an?
Nein
Ja
Liegen Signale zwischen VAR0 bis -7 von IC8020 an?
Nein
Ja
B
Liegen Signale zwischen R12A0 bis -7 und R12B0 bis -7 von IC8025 an?
Nein
Ja
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Überprüfung für Videosystem-Schaltkreis (Rot) und seine Peripherieschaltkreise
Liegen Signale zwischen VBR0 bis -7 von IC8020 an?
Nein
Ja
B
R8275, R8276 oder LCP-Schaltkreis defekt.

FEHLERSUCHTABELLE (Fortsetzung)


Überprüfung für XGA-Videoschaltkreis (Grün) und seine Peripherieschaltkreise
Liegen Signale am Stift (8) von IC8004 an?
Nein
LCP-Schaltkreis defekt.
Ja
Liegen Signale am Stift (3) von IC8007 an?
Nein
IC8004 fehlerhaft oder peripheres Bauteil defekt.
Ja
Liegen Signale am Stift (6) von IC8010 an?
Nein
IC8007 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen G11A0 bis -7 und G11B0 bis -7 von IC8025 an?
Nein
IC8010 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen R1 bis -10 und G1 bis -10 von IC8031 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Basen von Q19 und Q21 an?
Nein
IC8031 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (5) und (7) von TC2 an?
Nein
Q13, Q18 bis Q21 fehlerhaft oder zugehörige periphere Bauteile defekt.
Ja
TC2-Anschluß oder Platinenausgang defekt.
Überprüfung für VGA-Videoschaltkreis (Grün) und seine Peripherieschaltkreise
Liegen Signale am Stift (8) von IC8004 an?
Nein
Ja
Liegen Signale am Stift (3) von IC8007 an?
Nein
Ja
Liegen Signale am Stift (6) von IC8010 an?
Nein
Ja
Liegen Signale zwischen VAG0 bis -7 von IC8020 an?
Nein
Ja
Liegen Signale zwischen G12A0 bis -7 und G12B0 bis -7 von IC8025 an?
Nein
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Überprüfung für Videosystem-Schaltkreis (Grün) und seine Peripherieschaltkreise
Liegen Signale zwischen VBG0 bis -7 von IC8020 an?
Nein
R8277, R8278 oder LCP-Schaltkreis defekt.
Ja
Ⓒ
Ⓒ

FEHLERSUCHTABELLE (Fortsetzung)


Überprüfung für XGA-Videoschaltkreis (Blau) und seine Peripherieschaltkreise
Liegen Signale am Stift (3) von IC8004 an?
Nein
LCP-Schaltkreis defekt.
Ja
Liegen Signale am Stift (3) von IC8006 an?
Nein
IC8004 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale am Stift (6) von IC8009 an?
Nein
IC8006 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen B11A0 bis -7 und B11B0 bis -7 von IC8025 an?
Nein
IC8009 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen R1 bis -10 und G1 bis -10 von IC8032 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Basen von Q23 und Q25 an?
Nein
IC8032 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (1) und (3) von TC2 an?
Nein
Q13, Q22 bis Q25 fehlerhaft oder periphere Bauteile defekt.
Ja
TC2-Anschluß oder Platinenausgang defekt.
Überprüfung für VGA-Videoschaltkreis (Blau) und seine Peripherieschaltkreise
Liegen Signale am Stift (3) von IC8004 an?
Nein
Ja
Liegen Signale am Stift (3) von IC8006 an?
Nein
Ja
Liegen Signale am Stift (6) von IC8009 an?
Nein
Ja
Liegen Signale zwischen VAB0 bis -7 von IC8020 an?
Nein
Ja
D
Liegen Signale zwischen B12A0 bis -7 und B12B0 bis -7 von IC8025 an?
Nein
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Überprüfung für Videosystem-Schaltkreis (Blau) und seine Peripherieschaltkreise
Liegen Signale zwischen VBB0 bis -7 von IC8020 an?
Nein
R8279, R8280 oder LCP-Schaltkreis defekt.
Ja
D

7) VIDEO 2-Menü

VIDEO 2	
VROS	128
VGOS	128
VBOS	128
R-GAIN	128
B-GAIN	128

Dieses Menü dient zur Wahl der Gammaeinstellung für normalen Betrieb oder für Verarbeitungsbetrieb.

(Anfängliche Einstellung: OFF)

8) LINE-Menü

LINE
L1
L2
L3
L4
OFF
TEMP OFF
TEMP CHECK

9) SSS-Menü

SSS	
TIME	Lampenanzeige bei aktiv.
S2	Gerät Initialisierung (EEPROM)
S3	Initialisierung (ohne blauen Hintergrund)
S4	Werkseinstellung (Englisch)
S5	Werkseinstellung (Japanisch)
LAMP TIME ON	

10) PATTERN-Menü

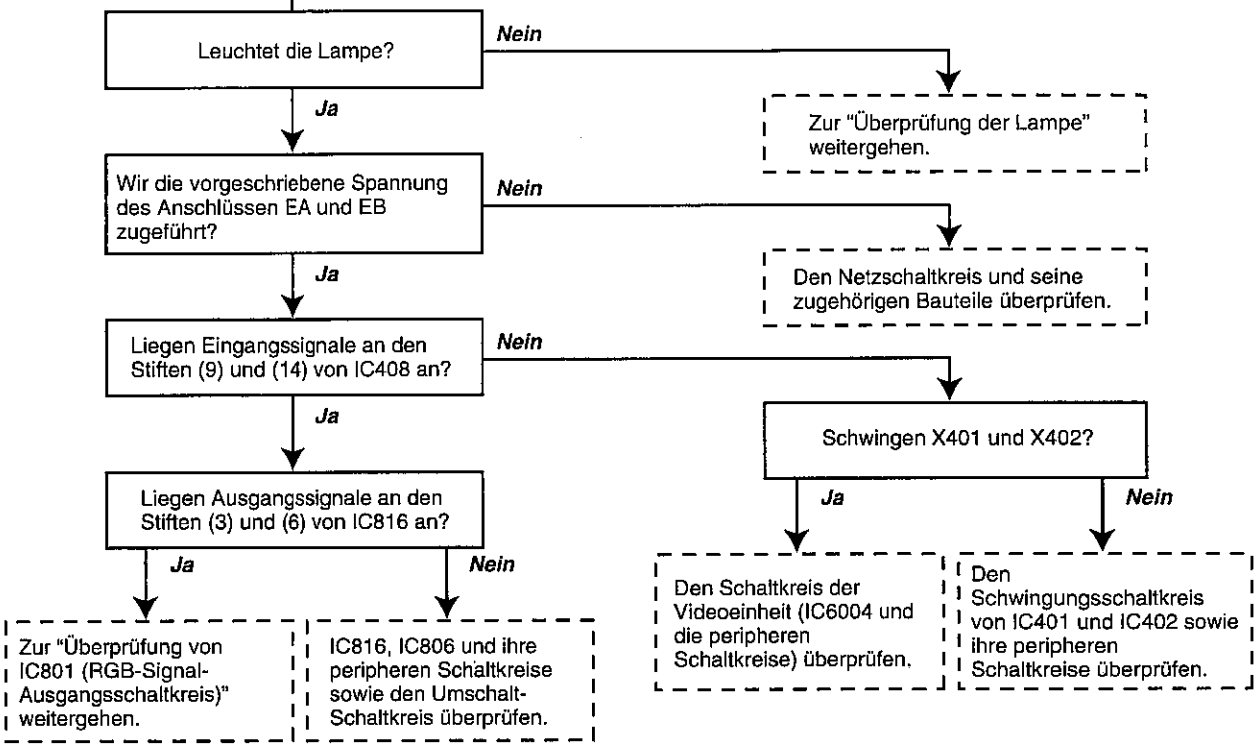
PATTERN		
RGB	1	Farben: Rot - Grün - Blau - Weiß - Schwarz - Magenta - Cyan - Gelb in kräftigen Schraffiermustern
CROSS	1	Lampe
RAMP		Schritt (8/16)
STEP		Farbbalken Zeichen (Kreuz/linksliegender Schrägstrich)
COLOR		Zur Manuellfunktion
CHR		
MANUAL		

11) LENS-Menü

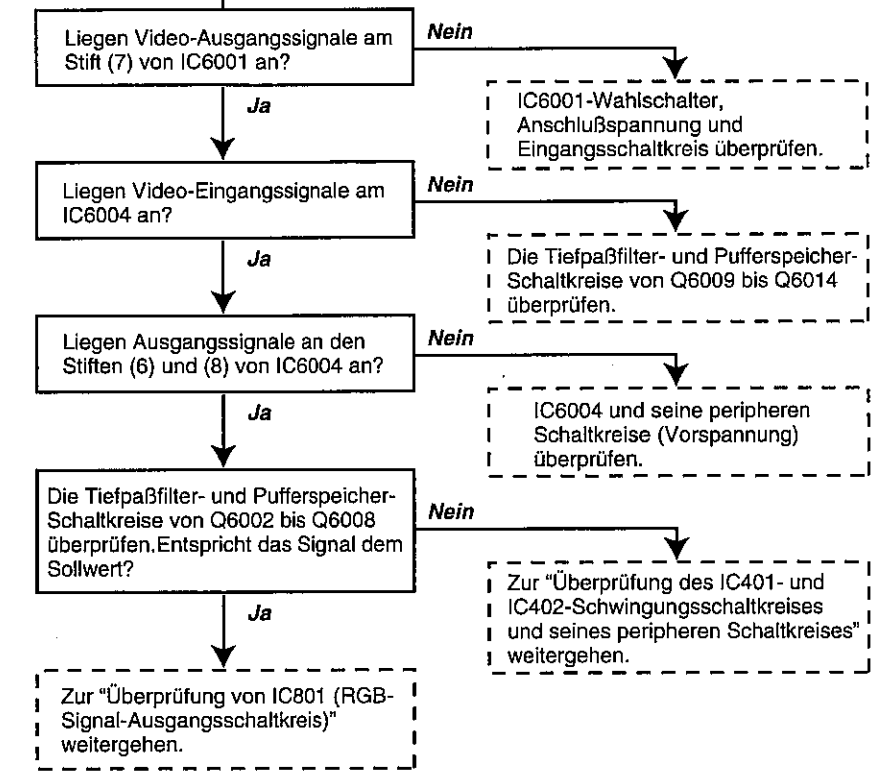
SSS
TIME
S2
S3
S4
S5
LAMP TIME ON

FEHLERSUCHTABELLE (Fortsetzung)

Überprüfung des Videosystems

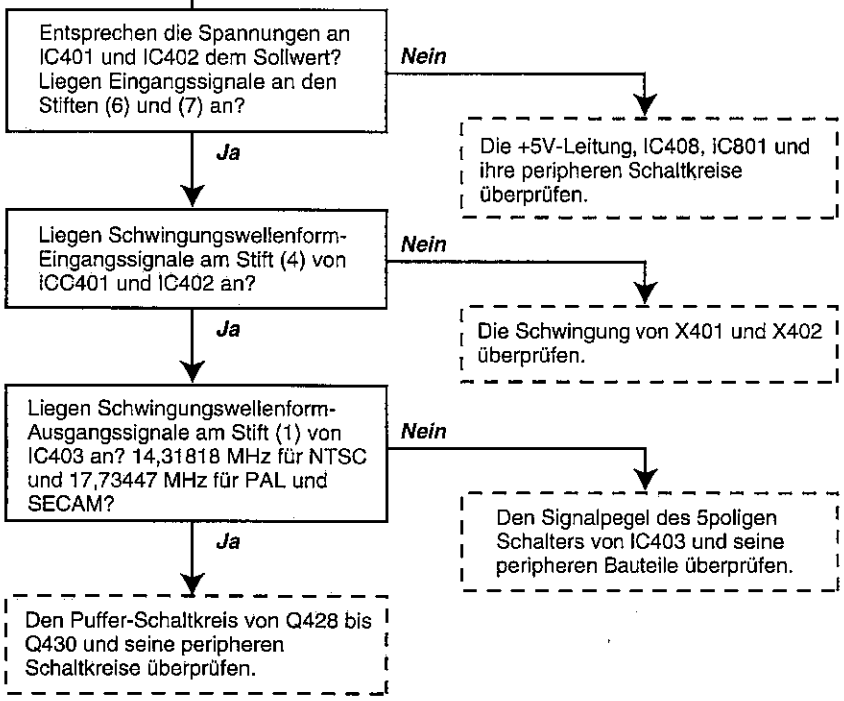

Leuchtet die Lampe?
Nein
Zur "Überprüfung der Lampe" weitergehen.
Ja
Wir die vorgeschriebene Spannung des Anschlüssen EA und EB zugeführt?
Nein
Den Netzschaltkreis und seine zugehörigen Bauteile überprüfen.
Ja
Liegen Eingangssignale an den Stiften (9) und (14) von IC408 an?
Nein
Schwingen X401 und X402?
Ja
Nein
Ja
Liegen Ausgangssignale an den Stiften (3) und (6) von IC816 an?
Ja
Nein
Den Schaltkreis der Videoeinheit (IC6004 und die peripheren Schaltkreise) überprüfen.
Den Schwingungsschaltkreis von IC401 und IC402 sowie ihre peripheren Schaltkreise überprüfen.
Zur "Überprüfung von IC801 (RGB-Signal-Ausgangsschaltkreis)" weitergehen.
IC816, IC806 und ihre peripheren Schaltkreise sowie den Umschalt-Schaltkreis überprüfen.

Überprüfung des Videoeinheit-Schaltkreises

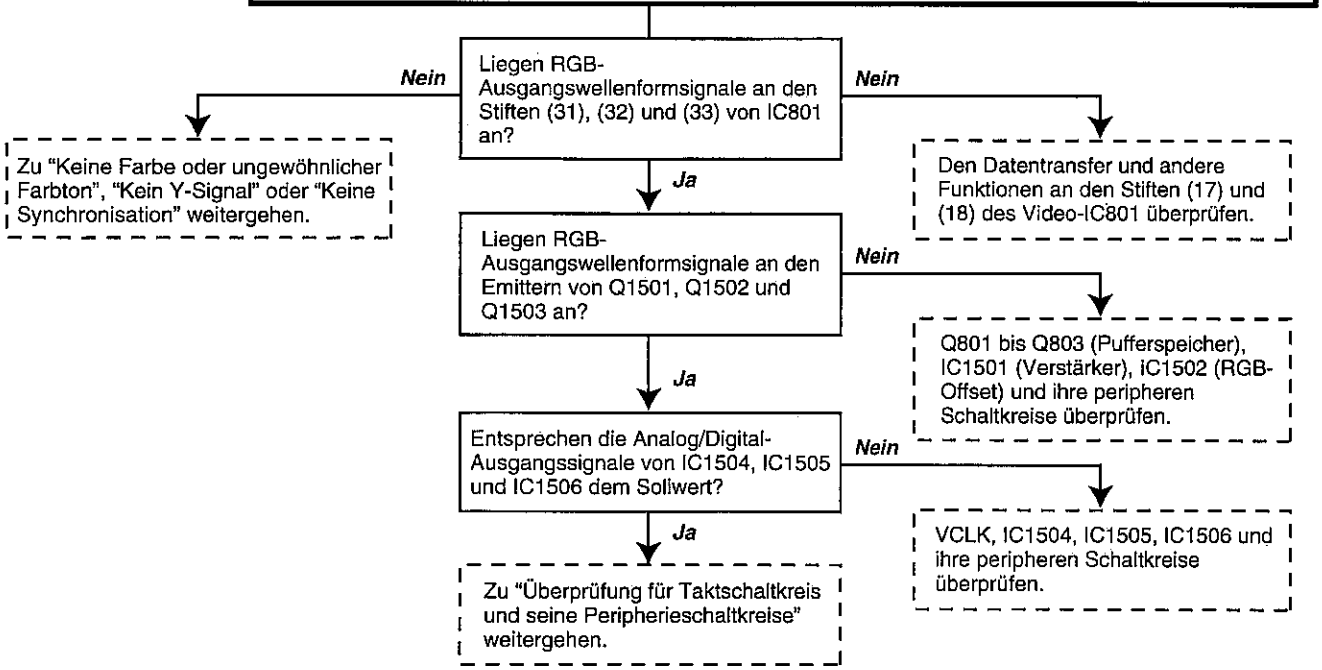

Liegen Video-Ausgangssignale am Stift (7) von IC6001 an?
Nein
IC6001-Wahlschalter, Anschlußspannung und Eingangsschaltkreis überprüfen.
Ja
Liegen Video-Eingangssignale am IC6004 an?
Nein
Die Tiefpaßfilter- und Pufferspeicher-Schaltkreise von Q6009 bis Q6014 überprüfen.
Ja
Liegen Ausgangssignale an den Stiften (6) und (8) von IC6004 an?
Nein
IC6004 und seine peripheren Schaltkreise (Vorspannung) überprüfen.
Ja
Die Tiefpaßfilter- und Pufferspeicher-Schaltkreise von Q6002 bis Q6008 überprüfen.Entspricht das Signal dem Sollwert?
Nein
Zur "Überprüfung des IC401- und IC402-Schwingungsschaltkreises und seines peripheren Schaltkreises" weitergehen.
Ja
Zur "Überprüfung von IC801 (RGB-Signal-Ausgangsschaltkreis)" weitergehen.

FEHLERSUCHTABELLE (Fortsetzung)

Überprüfung des Schwingungsschaltkreises

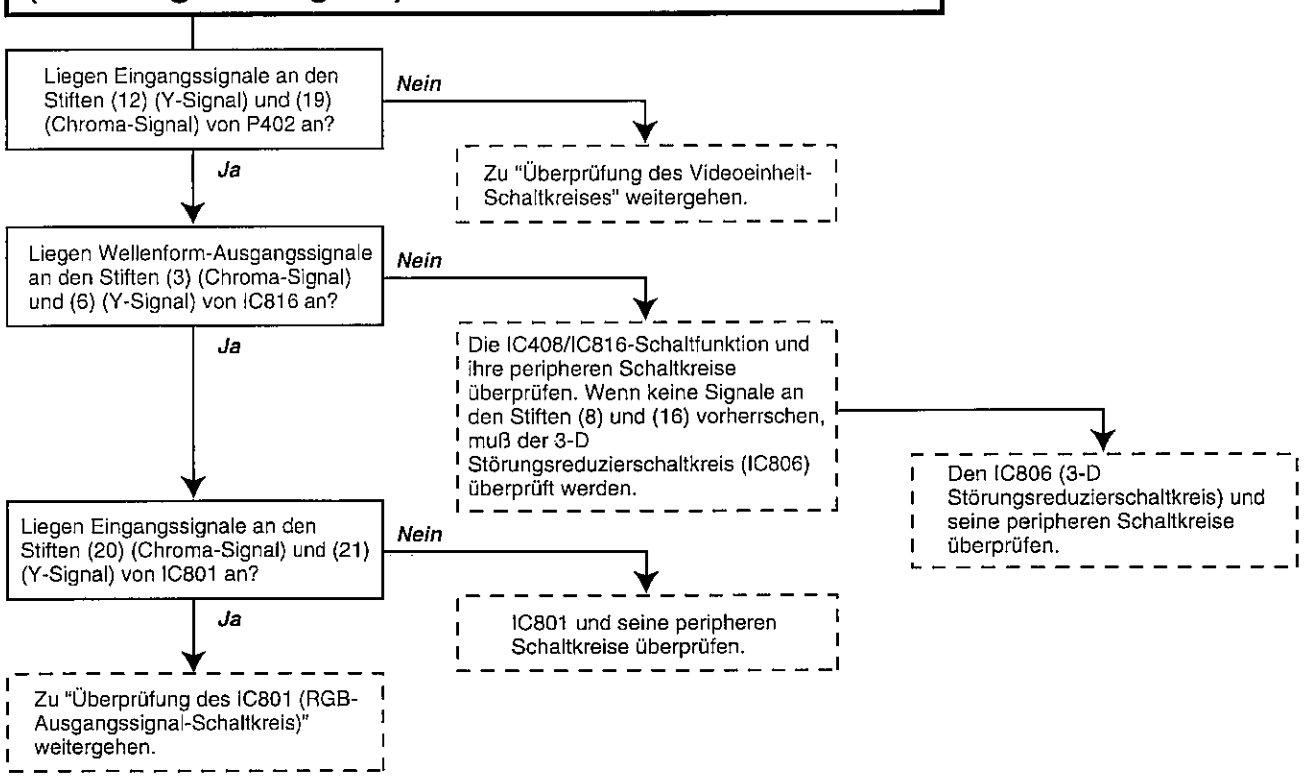

Entsprechen die Spannungen an IC401 und IC402 dem Sollwert? Liegen Eingangssignale an den Stiften (6) und (7) an?
Nein
Die +5V-Leitung, IC408, IC801 und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Schwingungswellenform-Eingangssignale am Stift (4) von ICC401 und IC402 an?
Nein
Die Schwingung von X401 und X402 überprüfen.
Ja
Liegen Schwingungswellenform-Ausgangssignale am Stift (1) von IC403 an? 14,31818 MHz für NTSC und 17,73447 MHz für PAL und SECAM?
Nein
Den Signalpegel des 5poligen Schalters von IC403 und seine peripheren Bauteile überprüfen.
Ja
Den Puffer-Schaltkreis von Q428 bis Q430 und seine peripheren Schaltkreise überprüfen.

Überprüfung des IC801 (RGB-Ausgangssignal-Schaltkreis)

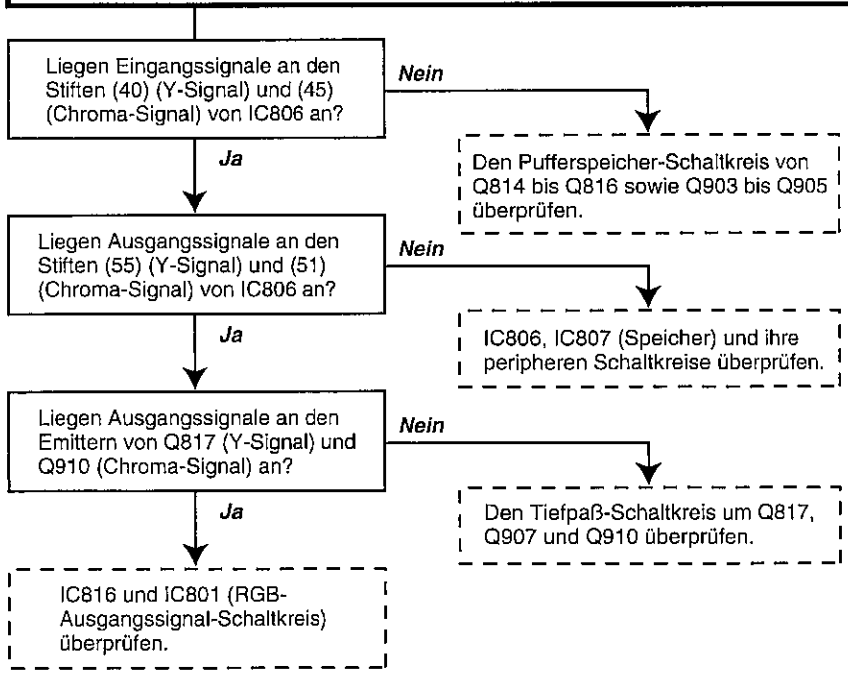

Liegen RGB-Ausgangswellenformsignale an den Stiften (31), (32) und (33) von IC801 an?
Nein
Zu "Keine Farbe oder ungewöhnlicher Farbton", "Kein Y-Signal" oder "Keine Synchronisation" weitergehen.
Nein
Den Datentransfer und andere Funktionen an den Stiften (17) und (18) des Video-IC801 überprüfen.
Ja
Liegen RGB-Ausgangswellenformsignale an den Emittern von Q1501, Q1502 und Q1503 an?
Nein
Q801 bis Q803 (Pufferspeicher), IC1501 (Verstärker), IC1502 (RGB-Offset) und ihre peripheren Schaltkreise überprüfen.
Ja
Entsprechen die Analog/Digital-Ausgangssignale von IC1504, IC1505 und IC1506 dem Sollwert?
Nein
VCLK, IC1504, IC1505, IC1506 und ihre peripheren Schaltkreise überprüfen.
Ja
Zu "Überprüfung für Taktschaltkreis und seine Peripherieschaltkreise" weitergehen.

FEHLERSUCHTABELLE (Fortsetzung)

Überprüfung der Chroma- und Y-Signale des IC801 (RGB-Signalausgabe)

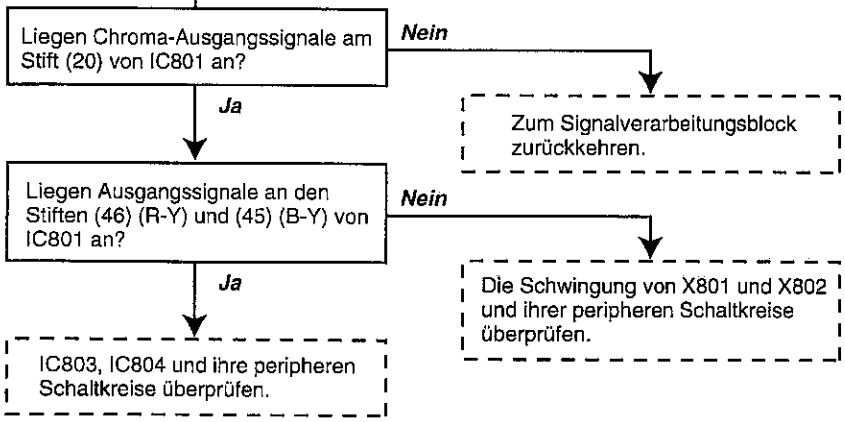

Liegen Eingangssignale an den Stiften (12) (Y-Signal) und (19) (Chroma-Signal) von P402 an?
Nein
Zu "Überprüfung des Videoeinheit-Schaltkreises" weitergehen.
Ja
Liegen Wellenform-Ausgangssignale an den Stiften (3) (Chroma-Signal) und (6) (Y-Signal) von IC816 an?
Nein
Die IC408/IC816-Schaltfunktion und ihre peripheren Schaltkreise überprüfen. Wenn keine Signale an den Stiften (8) und (16) vorherrschen, muß der 3-D Störungsreduzierschaltkreis (IC806) überprüft werden.
Den IC806 (3-D Störungsreduzierschaltkreis) und seine peripheren Schaltkreise überprüfen.
Ja
Liegen Eingangssignale an den Stiften (20) (Chroma-Signal) und (21) (Y-Signal) von IC801 an?
Nein
IC801 und seine peripheren Schaltkreise überprüfen.
Ja
Zu "Überprüfung des IC801 (RGB-Ausgangssignal-Schaltkreis)" weitergehen.

Überprüfung des IC806 (3-D Störungs-Reduzierschaltkreis) und seiner peripheren Schaltkreise

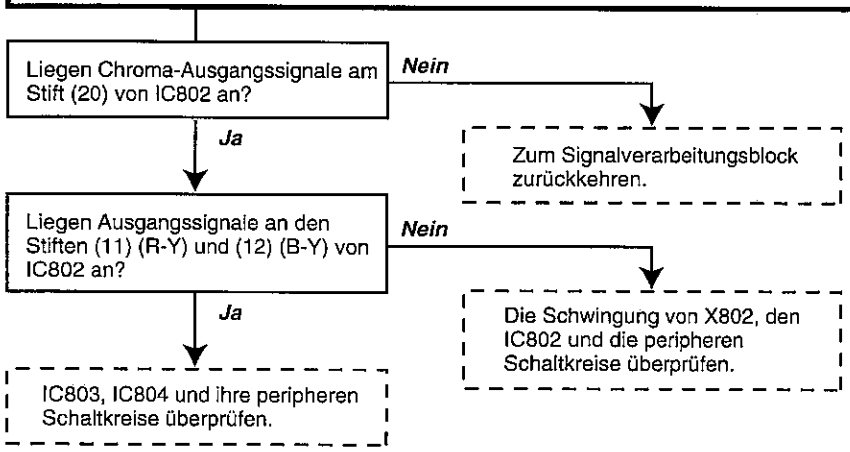

Liegen Eingangssignale an den Stiften (40) (Y-Signal) und (45) (Chroma-Signal) von IC806 an?
Nein
Den Pufferspeicher-Schaltkreis von Q814 bis Q816 sowie Q903 bis Q905 überprüfen.
Ja
Liegen Ausgangssignale an den Stiften (55) (Y-Signal) und (51) (Chroma-Signal) von IC806 an?
Nein
IC806, IC807 (Speicher) und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Ausgangssignale an den Emittern von Q817 (Y-Signal) und Q910 (Chroma-Signal) an?
Nein
Den Tiefpaß-Schaltkreis um Q817, Q907 und Q910 überprüfen.
Ja
IC816 und IC801 (RGB-Ausgangssignal-Schaltkreis) überprüfen.

FEHLERSUCHTABELLE (Fortsetzung)

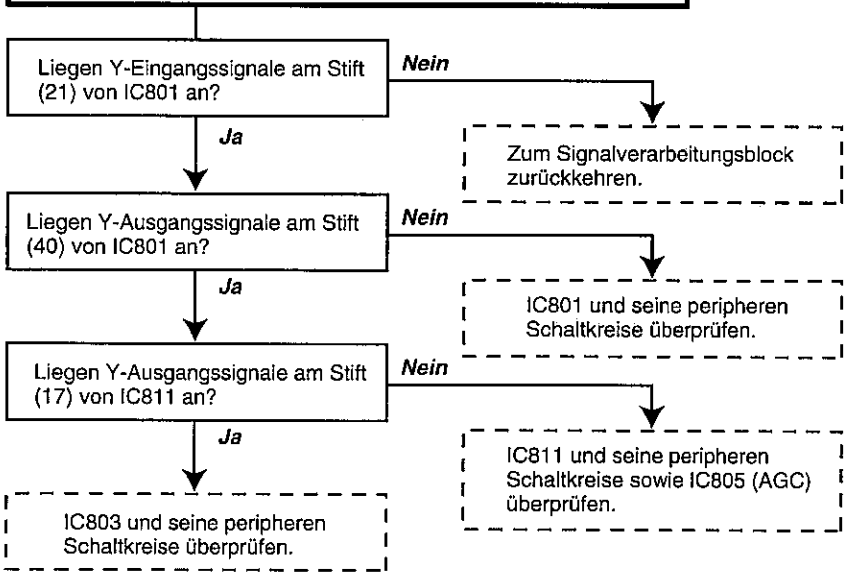
Keine Farbe oder ungewöhnlicher Farbton (NTSC, PAL)


Liegen Chroma-Ausgangssignale am Stift (20) von IC801 an?
Nein
Ja
Zum Signalverarbeitungsblock zurückkehren.
Liegen Ausgangssignale an den Stiften (46) (R-Y) und (45) (B-Y) von IC801 an?
Nein
Ja
Die Schwingung von X801 und X802 und ihrer peripheren Schaltkreise überprüfen.
IC803, IC804 und ihre peripheren Schaltkreise überprüfen.

Keine Farbe oder ungewöhnlicher Farbton (SECAM)

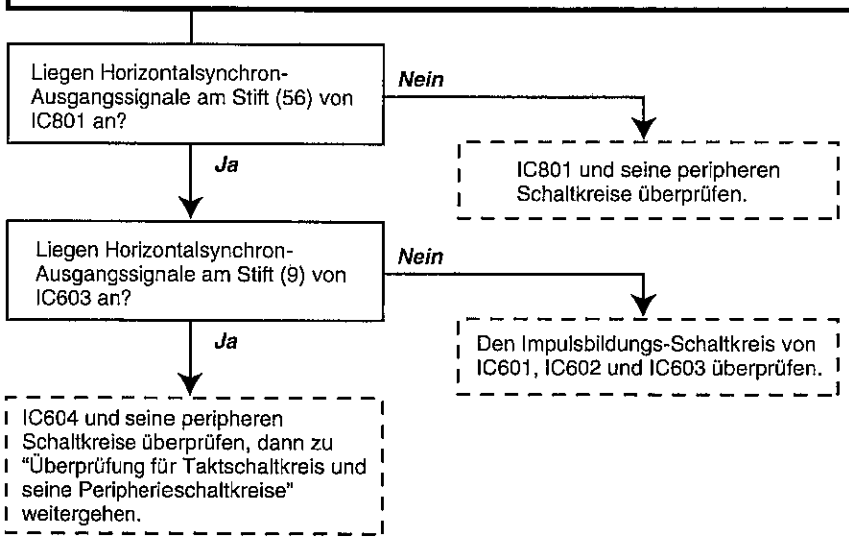

Liegen Chroma-Ausgangssignale am Stift (20) von IC802 an?
Nein
Ja
Zum Signalverarbeitungsblock zurückkehren.
Liegen Ausgangssignale an den Stiften (11) (R-Y) und (12) (B-Y) von IC802 an?
Nein
Ja
Die Schwingung von X802, den IC802 und die peripheren Schaltkreise überprüfen.
IC803, IC804 und ihre peripheren Schaltkreise überprüfen.

Kein oder ungewöhnliches Y-Signal

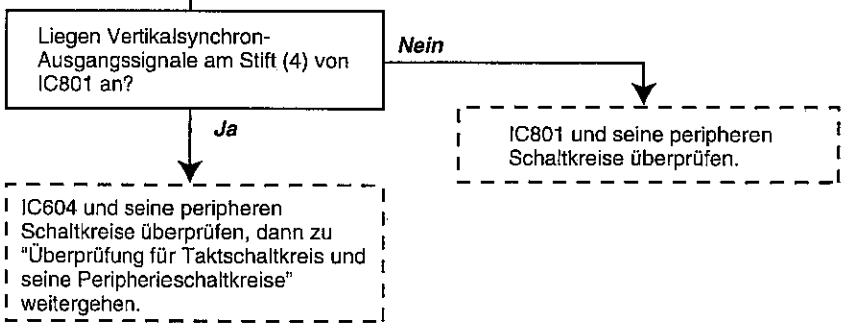

Liegen Y-Eingangssignale am Stift (21) von IC801 an?
Nein
Ja
Zum Signalverarbeitungsblock zurückkehren.
Liegen Y-Ausgangssignale am Stift (40) von IC801 an?
Nein
Ja
IC801 und seine peripheren Schaltkreise überprüfen.
Liegen Y-Ausgangssignale am Stift (17) von IC811 an?
Nein
Ja
IC811 und seine peripheren Schaltkreise sowie IC805 (AGC) überprüfen.
IC803 und seine peripheren Schaltkreise überprüfen.

FEHLERSUCHTABELLE (Fortsetzung)

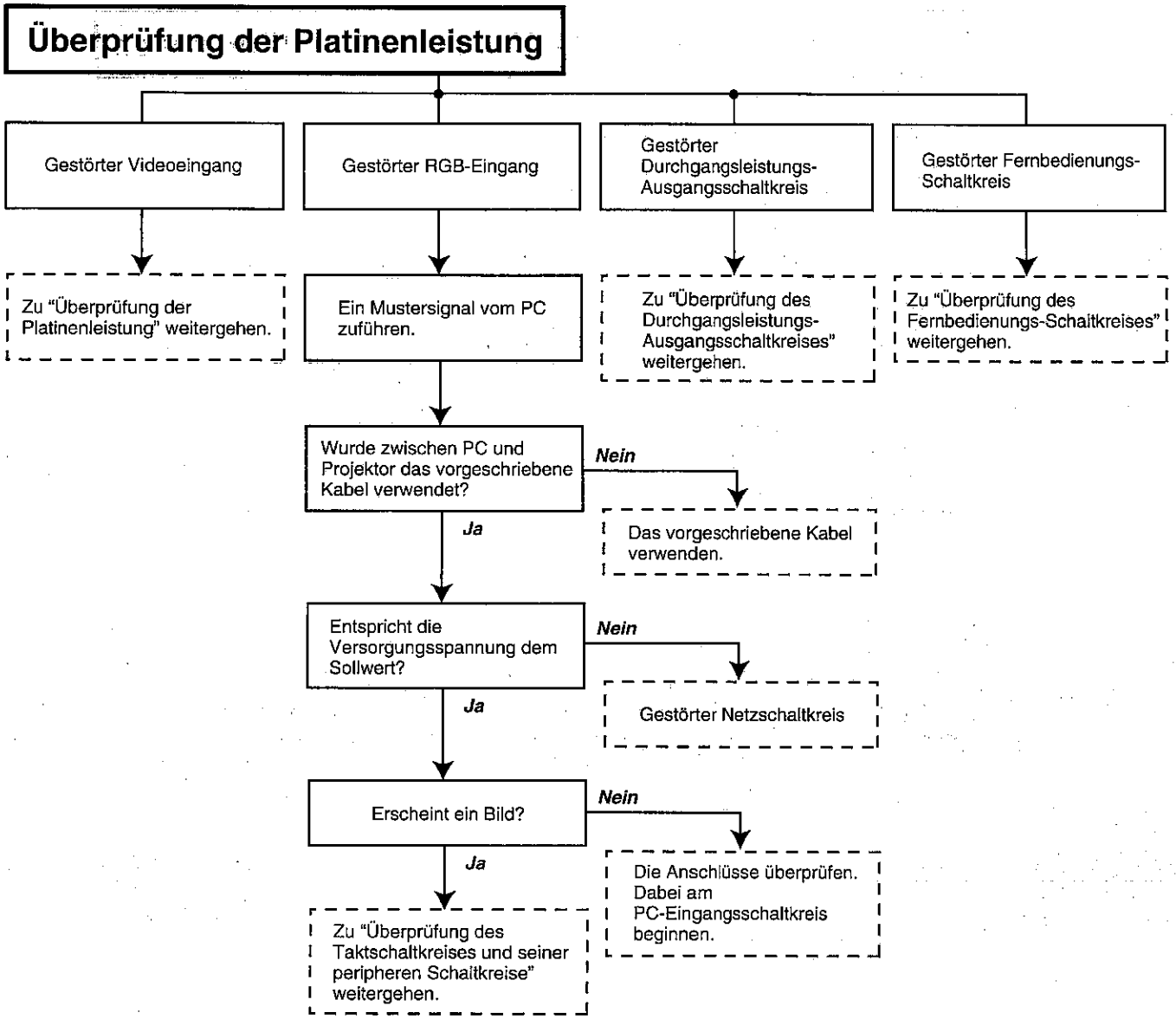
Keine oder ungewöhnliche Horizontal-Synchronisation


Liegen Horizontalsynchron-Ausgangssignale am Stift (56) von IC801 an?
Nein
IC801 und seine peripheren Schaltkreise überprüfen.
Ja
Liegen Horizontalsynchron-Ausgangssignale am Stift (9) von IC603 an?
Nein
Den Impulsbildungs-Schaltkreis von IC601, IC602 und IC603 überprüfen.
Ja
IC604 und seine peripheren Schaltkreise überprüfen, dann zu "Überprüfung für Taktschaltkreis und seine Peripherieschaltkreise" weitergehen.

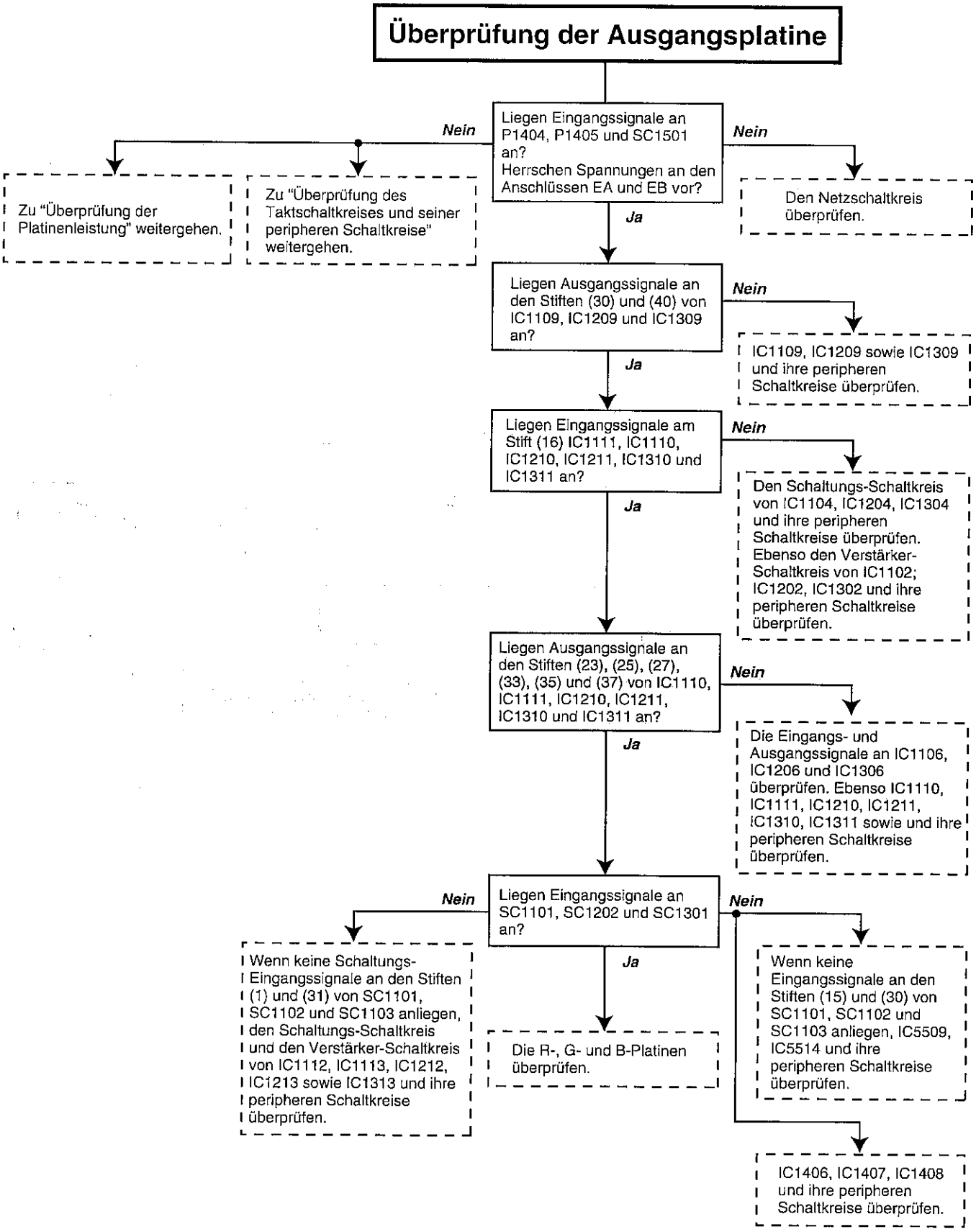
Keine oder ungewöhnliche Vertikal-Synchronisation


Liegen Vertikalsynchron-Ausgangssignale am Stift (4) von IC801 an?
Nein
IC801 und seine peripheren Schaltkreise überprüfen.
Ja
IC604 und seine peripheren Schaltkreise überprüfen, dann zu "Überprüfung für Taktschaltkreis und seine Peripherieschaltkreise" weitergehen.

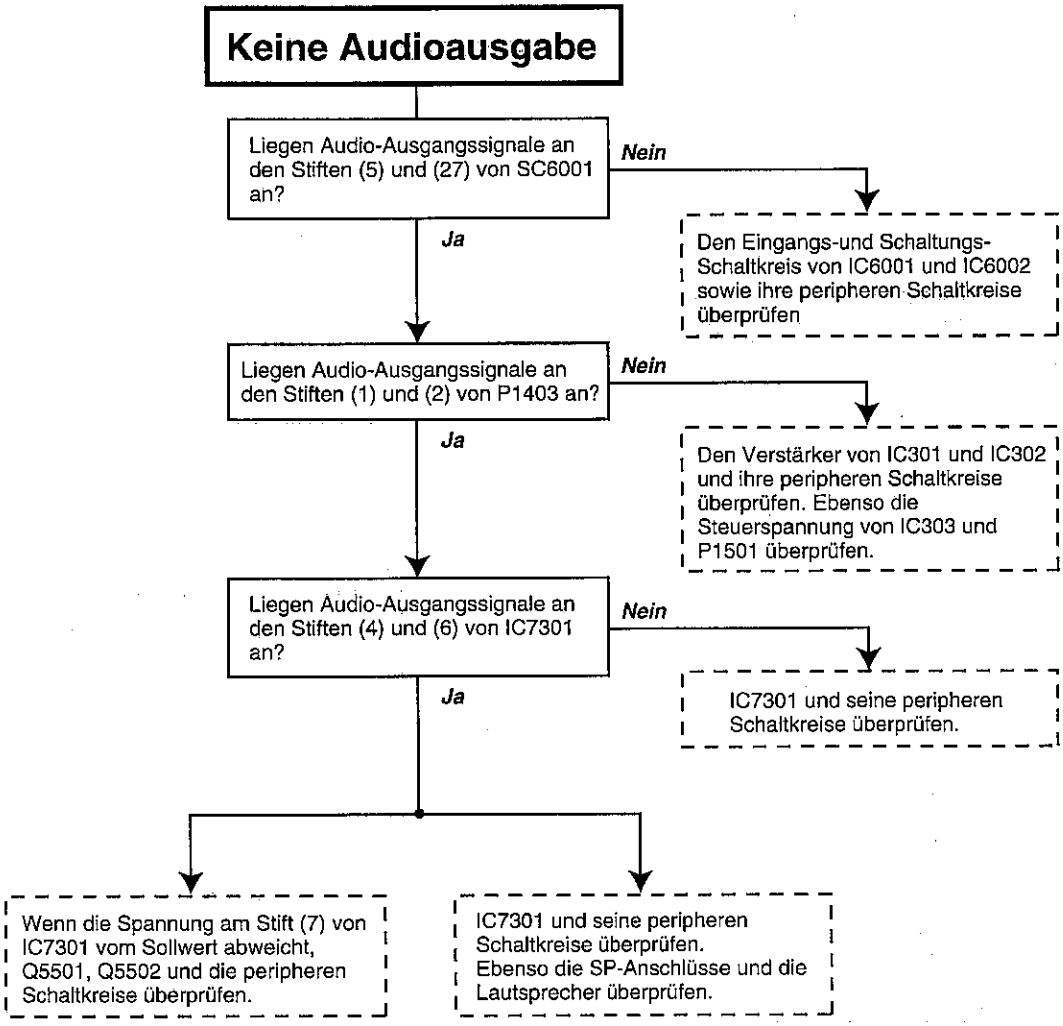
FEHLERSUCHTABELLE (Fortsetzung)



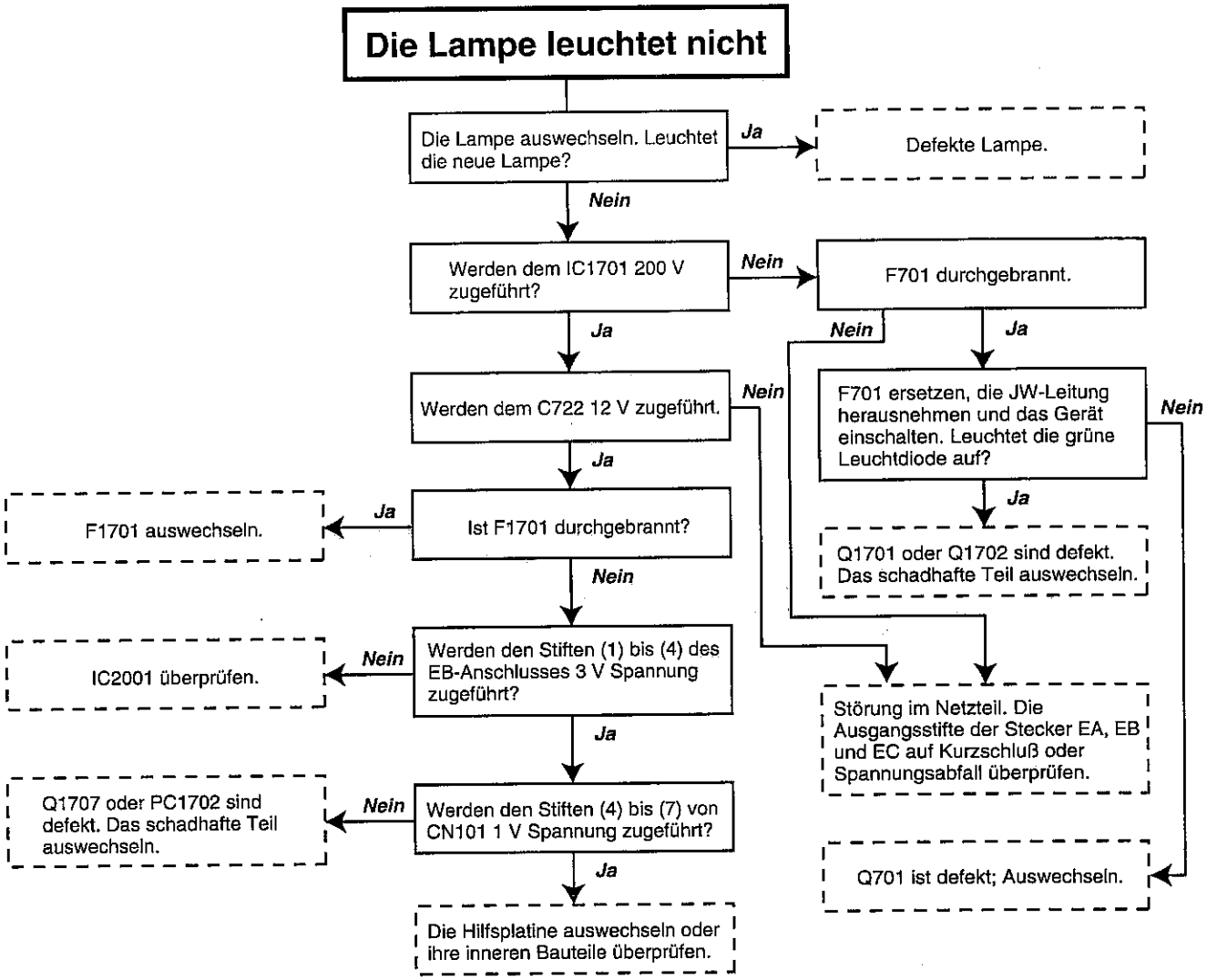
FEHLERSUCHTABELLE (Fortsetzung)


Überprüfung der Ausgangsplatine
Liegen Eingangssignale an P1404, P1405 und SC1501 an? Herrschen Spannungen an den Anschlüssen EA und EB vor?
Nein
Zu "Überprüfung der Platinenleistung" weitergehen.
Zu "Überprüfung des Taktschaltkreises und seiner peripheren Schaltkreise" weitergehen.
Nein
Den Netzschaltkreis überprüfen.
Ja
Liegen Ausgangssignale an den Stiften (30) und (40) von IC1109, IC1209 und IC1309 an?
Nein
IC1109, IC1209 sowie IC1309 und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Eingangssignale am Stift (16) IC1111, IC1110, IC1210, IC1211, IC1310 und IC1311 an?
Nein
Den Schaltungs-Schaltkreis von IC1104, IC1204, IC1304 und ihre peripheren Schaltkreise überprüfen. Ebenso den Verstärker-Schaltkreis von IC1102; IC1202, IC1302 und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Ausgangssignale an den Stiften (23), (25), (27), (33), (35) und (37) von IC1110, IC1111, IC1210, IC1211, IC1310 und IC1311 an?
Nein
Die Eingangs- und Ausgangssignale an IC1106, IC1206 und IC1306 überprüfen. Ebenso IC1110, IC1111, IC1210, IC1211, IC1310, IC1311 sowie und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Eingangssignale an SC1101, SC1202 und SC1301 an?
Nein
Wenn keine Schaltungs-Eingangssignale an den Stiften (1) und (31) von SC1101, SC1102 und SC1103 anliegen, den Schaltungs-Schaltkreis und den Verstärker-Schaltkreis von IC1112, IC1113, IC1212, IC1213 sowie IC1313 und ihre peripheren Schaltkreise überprüfen.
Ja
Die R-, G- und B-Platinen überprüfen.
Nein
Wenn keine Eingangssignale an den Stiften (15) und (30) von SC1101, SC1102 und SC1103 anliegen, IC5509, IC5514 und ihre peripheren Schaltkreise überprüfen.
IC1406, IC1407, IC1408 und ihre peripheren Schaltkreise überprüfen.

FEHLERSUCHTABELLE (Fortsetzung)

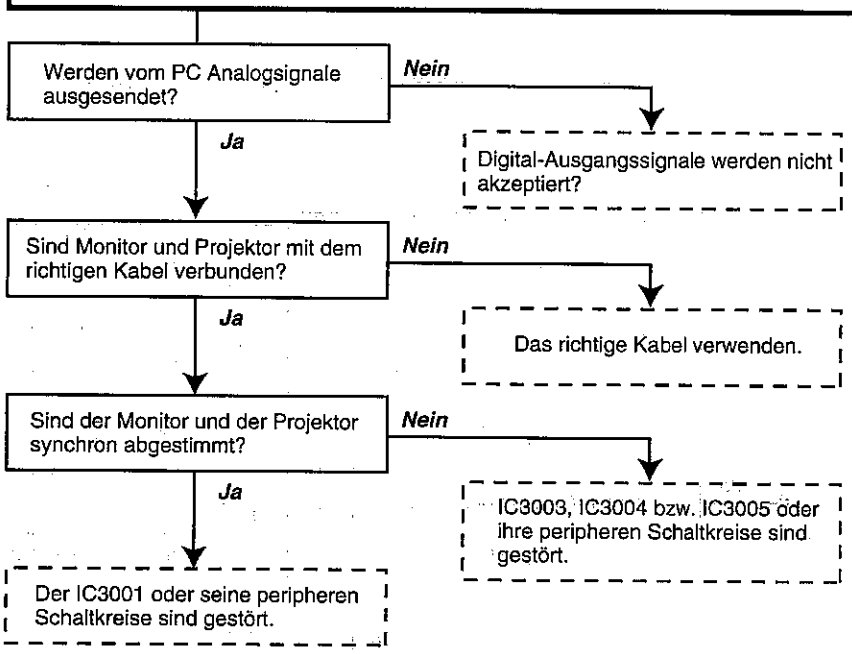

Keine Audioausgabe
Liegen Audio-Ausgangssignale an den Stiften (5) und (27) von SC6001 an?
Nein
Den Eingangs-und Schaltungs-Schaltkreis von IC6001 und IC6002 sowie ihre peripheren Schaltkreise überprüfen
Ja
Liegen Audio-Ausgangssignale an den Stiften (1) und (2) von P1403 an?
Nein
Den Verstärker von IC301 und IC302 und ihre peripheren Schaltkreise überprüfen. Ebenso die Steuerspannung von IC303 und P1501 überprüfen.
Ja
Liegen Audio-Ausgangssignale an den Stiften (4) und (6) von IC7301 an?
Nein
IC7301 und seine peripheren Schaltkreise überprüfen.
Ja
Wenn die Spannung am Stift (7) von IC7301 vom Sollwert abweicht, Q5501, Q5502 und die peripheren Schaltkreise überprüfen.
IC7301 und seine peripheren Schaltkreise überprüfen. Ebenso die SP-Anschlüsse und die Lautsprecher überprüfen.

FEHLERSUCHTABELLE (Fortsetzung)


Die Lampe leuchtet nicht
Die Lampe auswechseln. Leuchtet die neue Lampe?
Ja
Defekte Lampe.
Nein
Werden dem IC1701 200 V zugeführt?
Nein
F701 durchgebrannt.
Ja
Nein
Ja
Werden dem C722 12 V zugeführt.
Nein
F701 ersetzen, die JW-Leitung herausnehmen und das Gerät einschalten. Leuchtet die grüne Leuchtdiode auf?
Nein
Ja
Ja
F1701 auswechseln.
Ja
Ist F1701 durchgebrannt?
Ja
Q1701 oder Q1702 sind defekt. Das schadhafte Teil auswechseln.
Nein
IC2001 überprüfen.
Nein
Werden den Stiften (1) bis (4) des EB-Anschlusses 3 V Spannung zugeführt?
Störung im Netzteil. Die Ausgangsstifte der Stecker EA, EB und EC auf Kurzschluß oder Spannungsabfall überprüfen.
Ja
Q1707 oder PC1702 sind defekt. Das schadhafte Teil auswechseln.
Nein
Werden den Stiften (4) bis (7) von CN101 1 V Spannung zugeführt?
Q701 ist defekt; Auswechseln.
Ja
Die Hilfsplatine auswechseln oder ihre inneren Bauteile überprüfen.

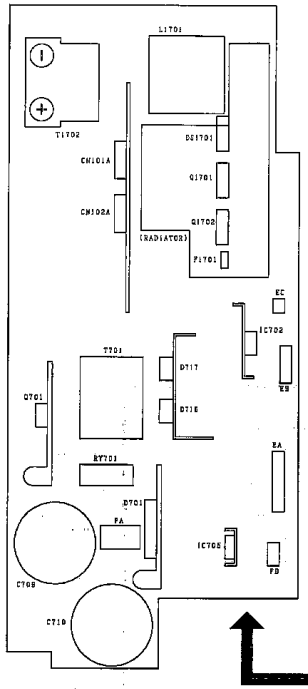
FEHLERSUCHTABELLE (Fortsetzung)

Überprüfung des Durchgangsleistungs-Schaltkreises

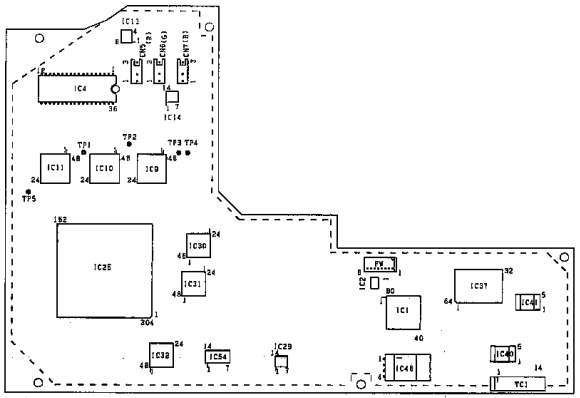

Werden vom PC Analogsignale ausgesendet?
Nein
Digital-Ausgangssignale werden nicht akzeptiert?
Ja
Sind Monitor und Projektor mit dem richtigen Kabel verbunden?
Nein
Das richtige Kabel verwenden.
Ja
Sind der Monitor und der Projektor synchron abgestimmt?
Nein
IC3003, IC3004 bzw. IC3005 oder ihre peripheren Schaltkreise sind gestört.
Ja
Der IC3001 oder seine peripheren Schaltkreise sind gestört.

CHASSIS LAYOUT / CHASSIS-ANORDNUNG

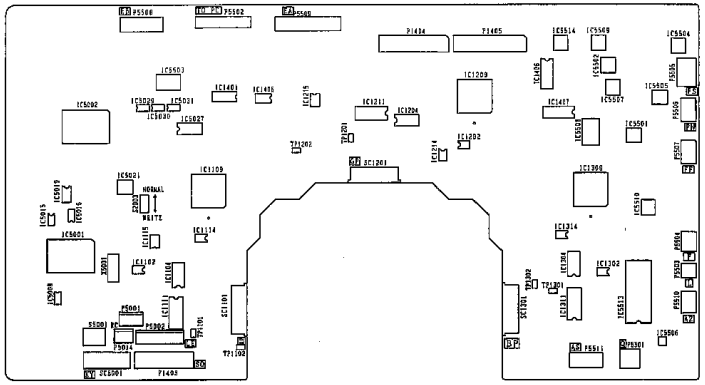
POWER/BALLAST UNIT
CDENC0252CE01



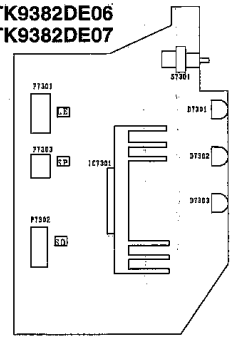
PC I/F UNIT
CPCi-0023CE01



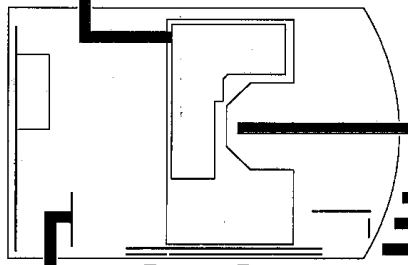
OUTPUT UNIT
DUNTK9505DE02



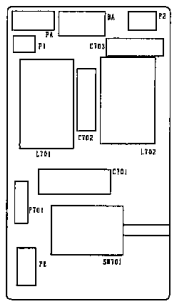
LED UNIT
DUNTK9382DE06
DUNTK9382DE07



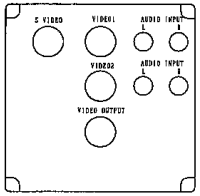
INFRARED R/C UNIT
DUNTK9504DE02



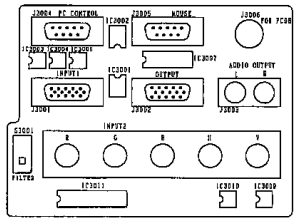
AC-SW UNIT
RUNTK0571CEZZ



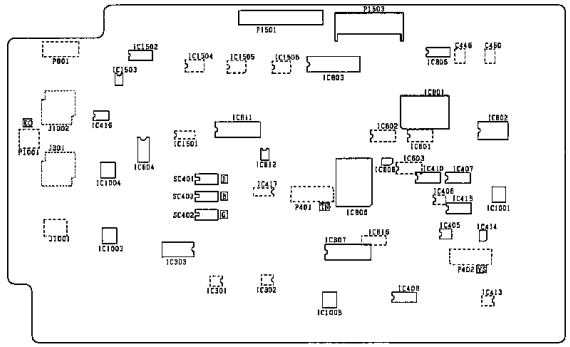
VIDEO BOARD UNIT
CTANZ0706CE01
(For XG-XV1A as well as AUSTRALIAN and NEWZEALAND versions of XG-XV1E)



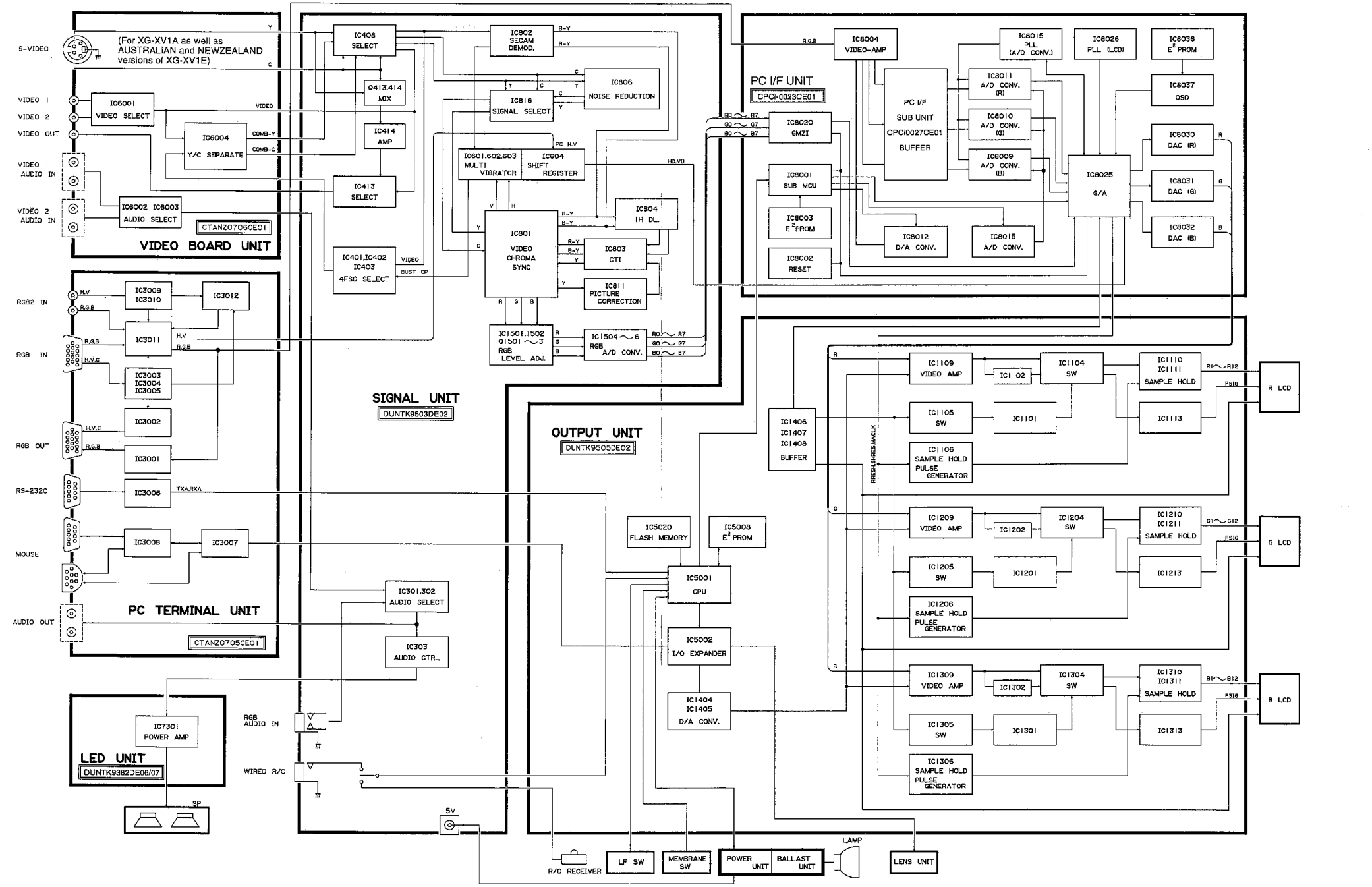
PC TERMINAL UNIT
CTANZ0705CE01



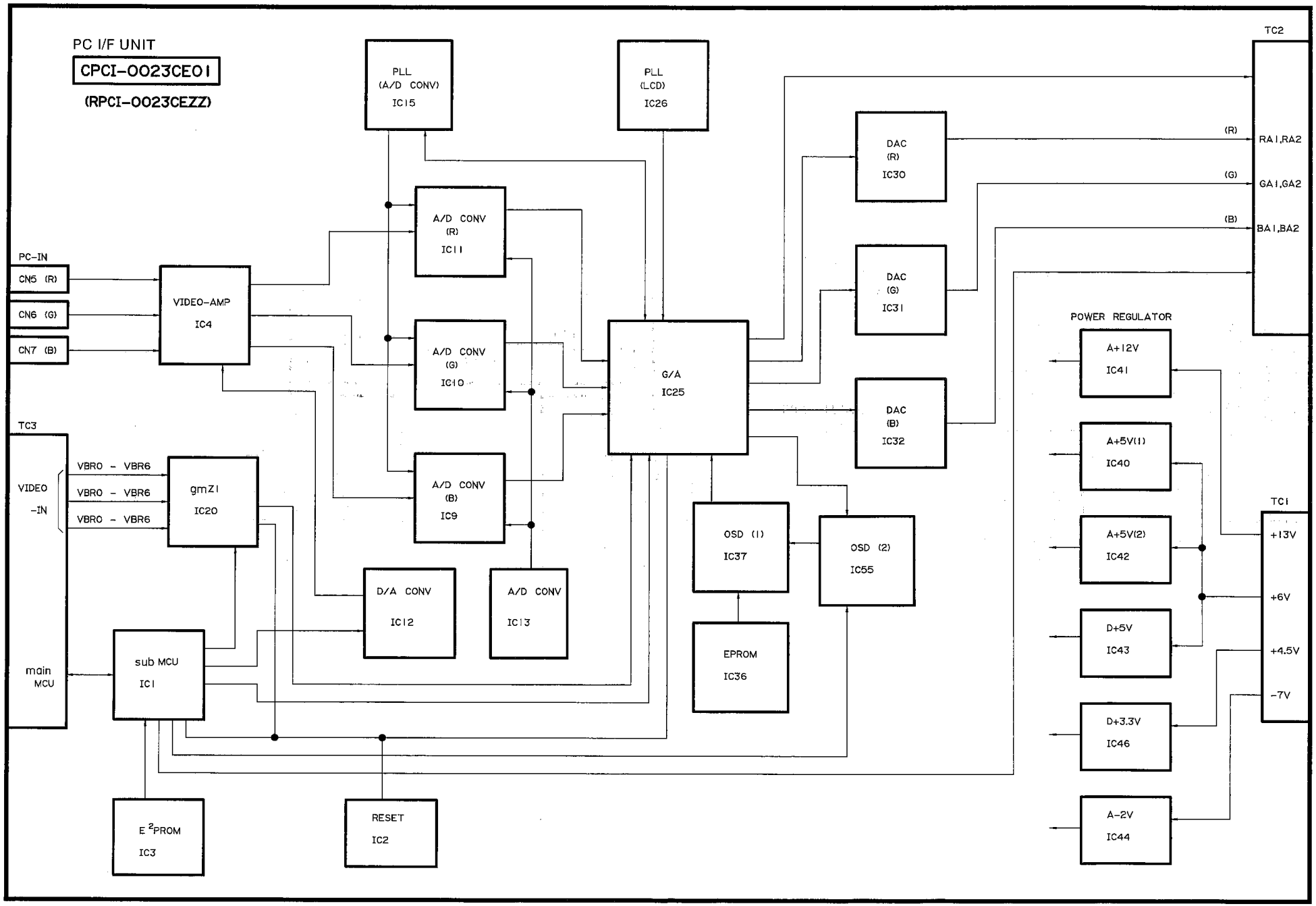
SIGNAL UNIT
DUNTK9503DE02



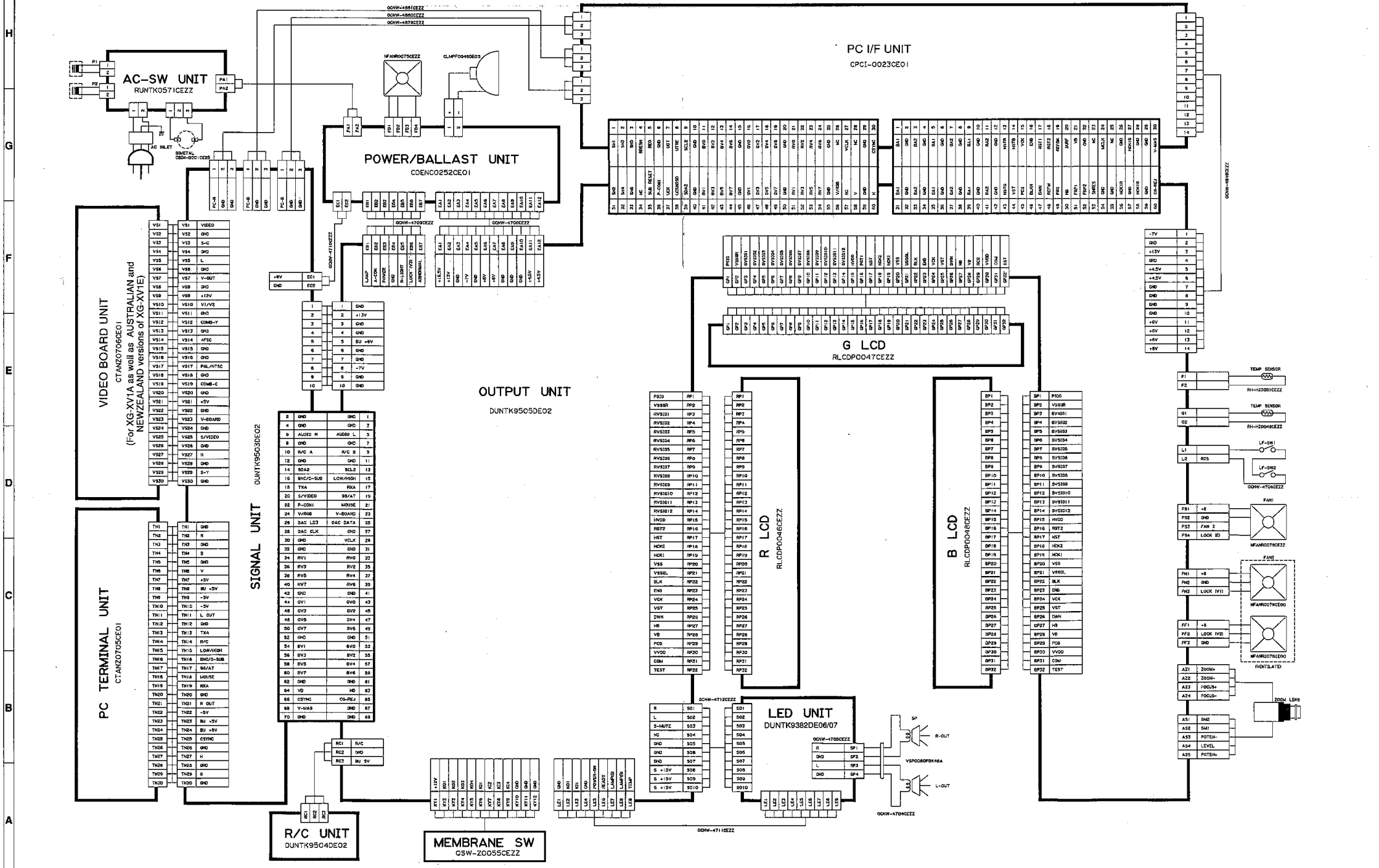
BLOCK DIAGRAM-1 / BLOCKSCHALTBILD-1



BLOCK DIAGRAM-2 / BLOCKSCHALTBILD-2



OVERALL WIRING DIAGRAM / GESAMTSCHALTPLAN



DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured at the supply voltage of AC 220V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20-kohm/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. Waveforms at test points are observed at the supply voltage of AC 220V. Signals are fed by a colour bar signal generator for servicing purpose.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/10W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.
   - Ⓒ: Solid
   - Ⓦ: Cement
   - Ⓢ: Oxide Film
   - Ⓣ: Special
   - Ⓝ: Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted. (P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.
   - (ML): Mylar
   - (TA): Tantalum
   - (PF): Polypro Film
   - (ST): Styrol

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTES:

1. ***DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACEING PARTS.***
2. ***SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.***

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH " ⚠ (▬▬▬) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS

SPANNUNGSMESSUNGEN:

1. Spannungen an den Prüfpunkten werden bei einer Netzspannung von 220V gemessen, Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt, und Spannungen werden mit einem Meßinstrument (20 kΩ/V) ermittelt.

SIGNALFORMMESSUNGEN:

1. Die Wellenformen an den Testpunkten werden bei einer Netzspannung von 220V verfolgt. Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt.

BEZEICHNUNG DES WIDERSTANDS UND KONDENSATORS:

WIDERSTAND

1. Die Widerstandseinheit "Ω" wird weggelassen. (K=kΩ=1000 Ω, M=MΩ).
2. Alle Widerstände haben ± 5%, sofern nicht anders angegeben. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. Alle Widerstände haben 1/10W, sofern nicht anders angegeben.
4. Alle Widerstände sind Kohletyp, sofern nicht anders angegeben.
   - Ⓒ: Fest
   - Ⓦ: Zement
   - Ⓢ: Oxidefilm
   - Ⓣ: Spezial
   - Ⓝ: Metallüberzug

KONDENSATOR

1. Die Kapazitätseinheit ist μF, sofern nicht anders angegeben. (P=pF=μμF).
2. Alle Kondensatoren haben 50V, sofern nicht anders angegeben.
3. Alle Kondensatoren sind Keramiktyp, sofern nicht anders angegeben.
   - (ML): Mylar
   - (TA): Tantal
   - (PF): Polyprofilm
   - (ST): Styrol

ACHTUNG:
bei diesem Schaltplan handelt es sich um den ursprünglichen. Esönnen daher geringfügige Unterschiede zu dem Ihrem bestehen.

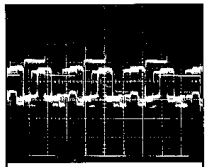
SICHERHEITSANMERKUNGEN:

1. ***VOR DEM AUSWECHSELN VON TEILEN MUSS UNBEDINGT NETZSTECKER AUS DER NETZSTECKDOSE GEZOGEN WERDEN.***
2. ***DIE WARMEABLEITER DER HALBLEITER SOLLTEN BEIM BETRIEB DES CHASSIS ALS MÖGLICHE URSACHEN VON GEFÄHRLICHEN ELEKTRISCHEN SCHLÄGEN BETRACHTET WERDEN.***

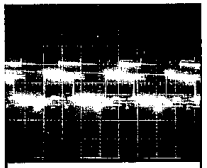
WICHTIGE SICHERHEITSANMERKUNGEN:

MIT "⚠ (▬▬▬)BEZEICHNETEN TEILE SIND BESONDERS WICHTIG FÜR DIE AUFRECHTERHALTUNG DER SICHERHEIT . BEIM WECHDIESER TEILE SOLLTEN DIE VORGESCHRIEBENEN TEILE IMMER VERWENDET WERDEN, UM SOWOHL DIE SICHERHEIT ALS AUCH DIE LEISTUNG DES GERÄTES AUFRECHTZUERHALTEN.

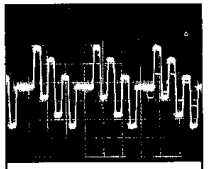
WAVEFORMS WELLENFORMEN



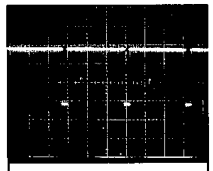
① P801 (1-Pin)
H: 20μsec/div
V: 50mV/div



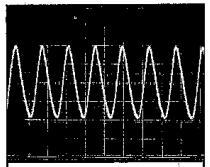
② P801 (2-Pin)
H: 20μsec/div
V: 50mV/div



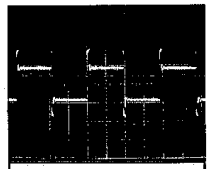
③ P801 (5-Pin)
H: 20μsec/div
V: 50mV/div



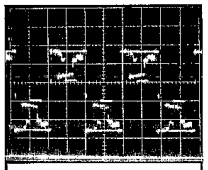
④ P801 (6-Pin)
H: 20μsec/div
V: 2V/div



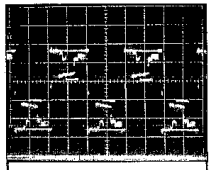
⑤ TP401
H: 50μsec/div
V: 50mV/div



⑥ SC1201 (1-Pin)
H: 10μsec/div
V: 2V/div

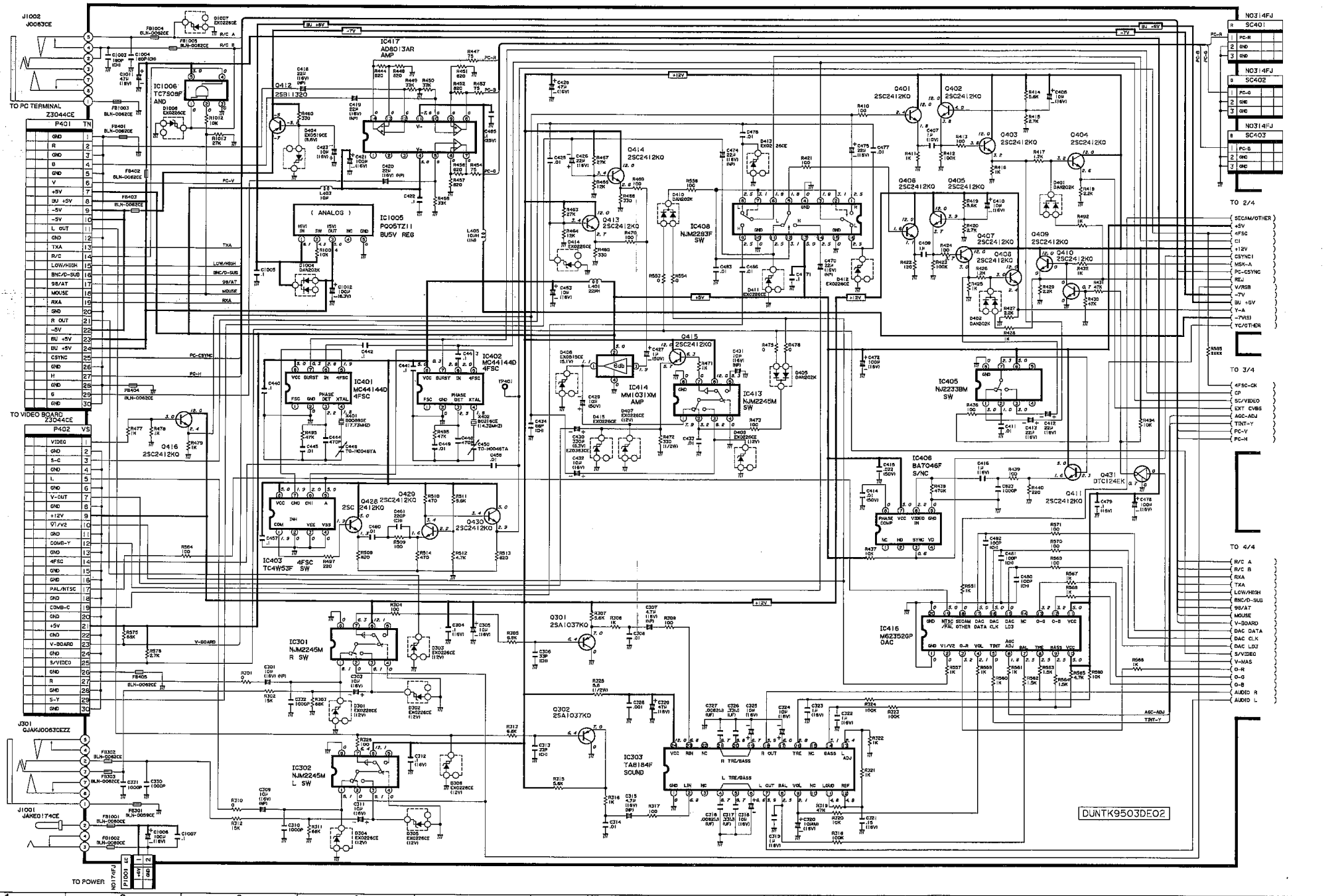


⑦ SC1201 (3-Pin)
H: 10μsec/div
V: 2V/div

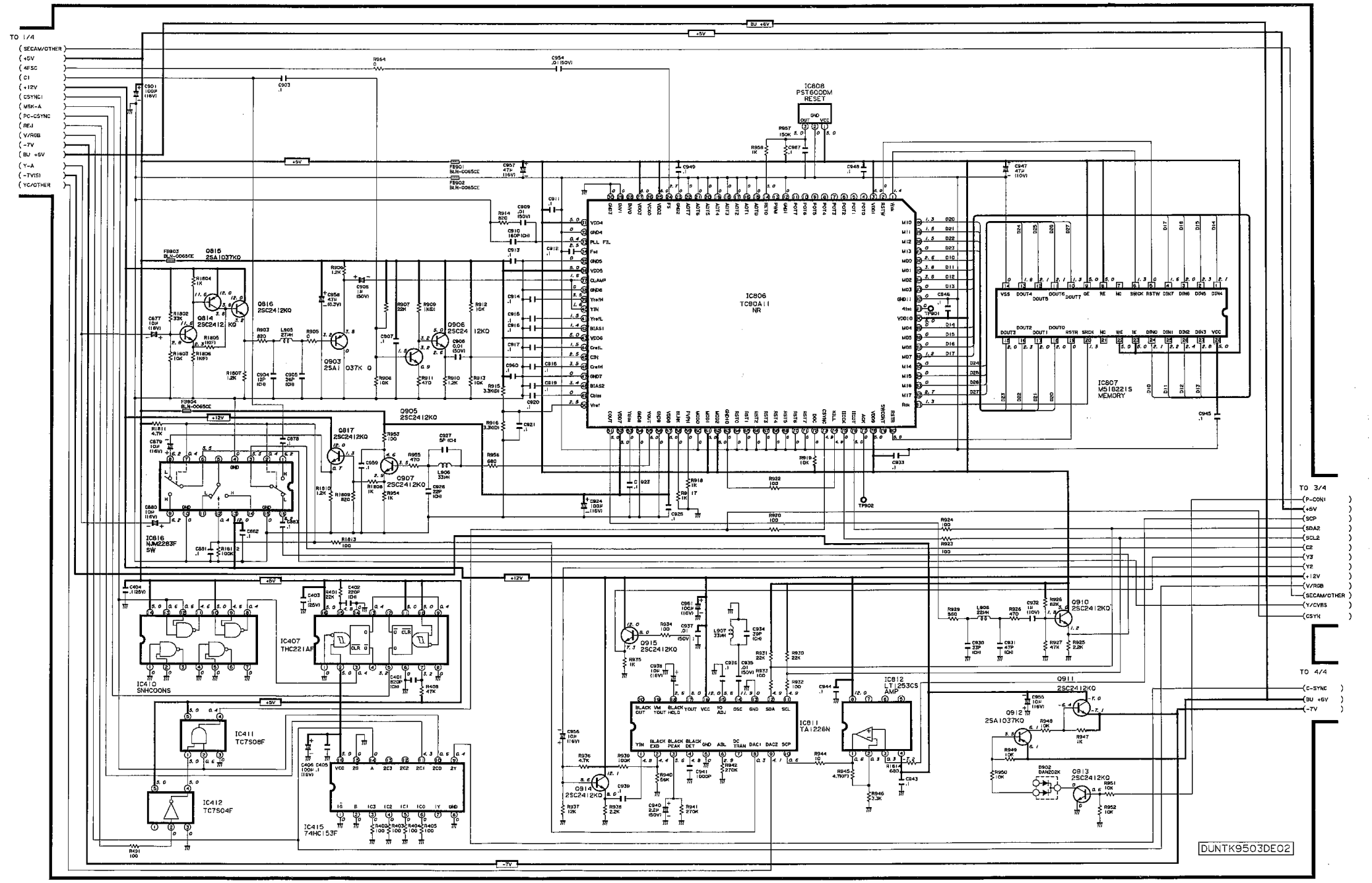


⑧ SC1201 (4-Pin)
H: 10μsec/div
V: 2V/div

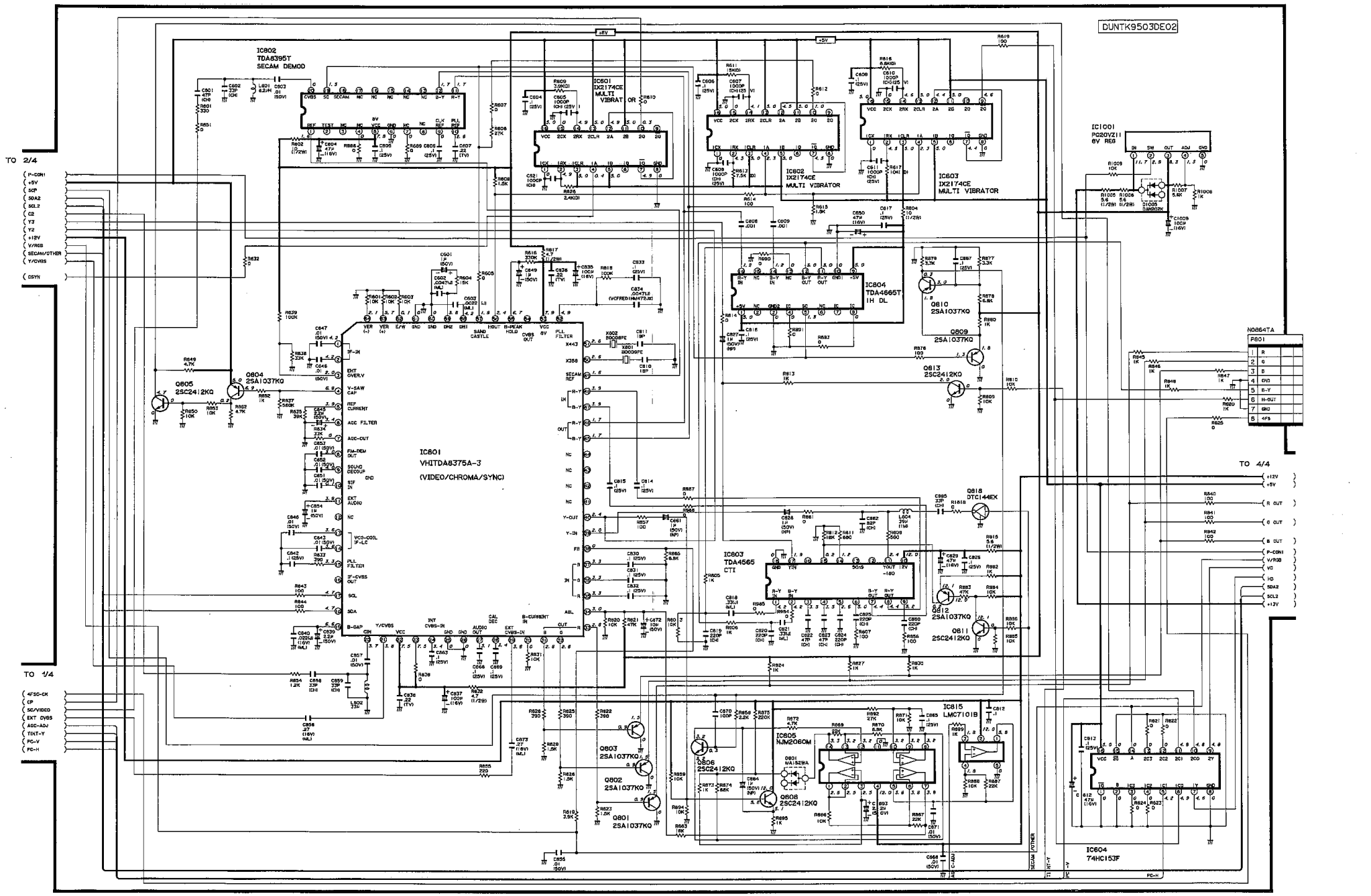
■ SIGNAL UNIT-1/4 / SIGNALEINHEIT-1/4



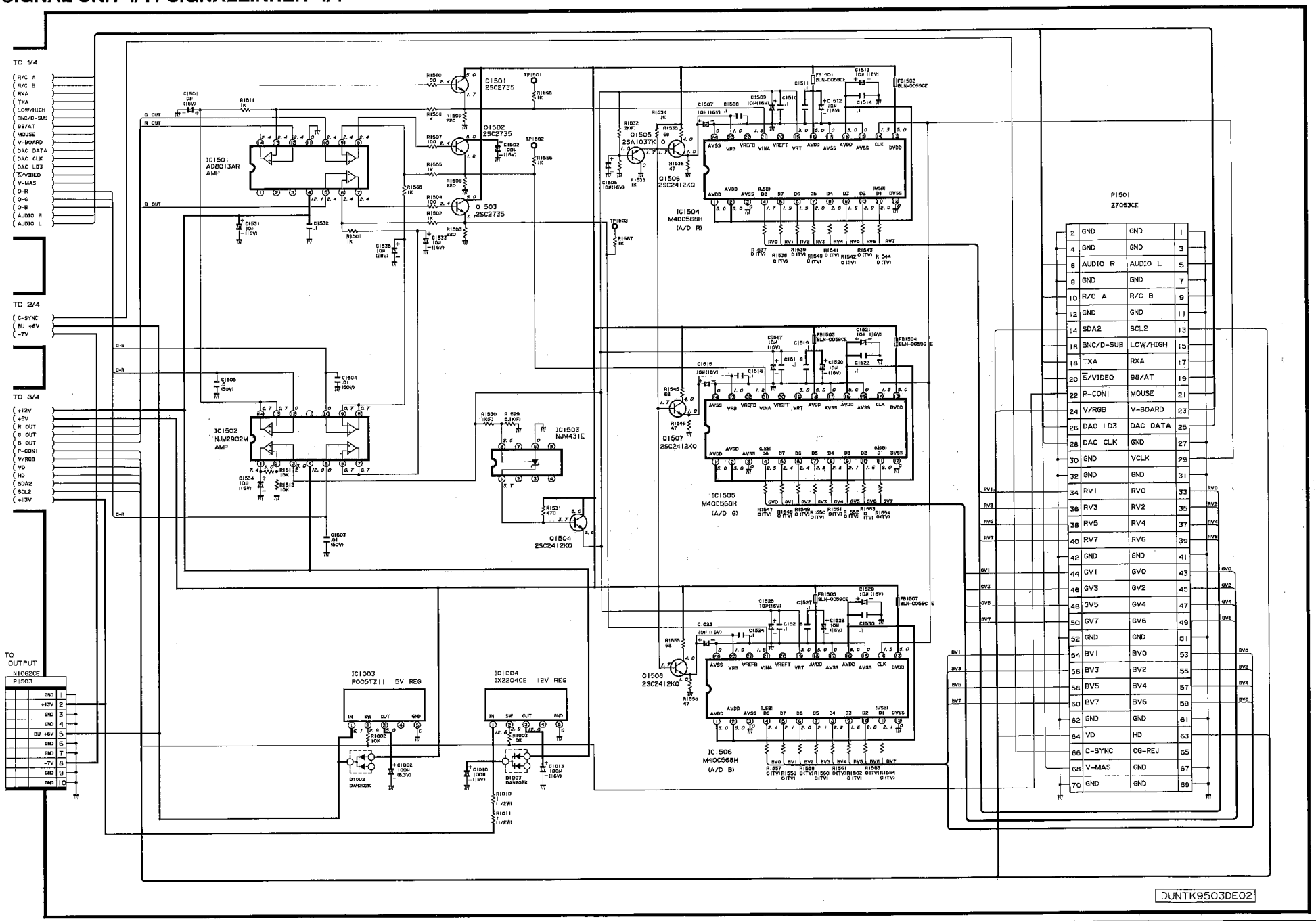
■ SIGNAL UNIT-2/4 / SIGNALEINHEIT-2/4



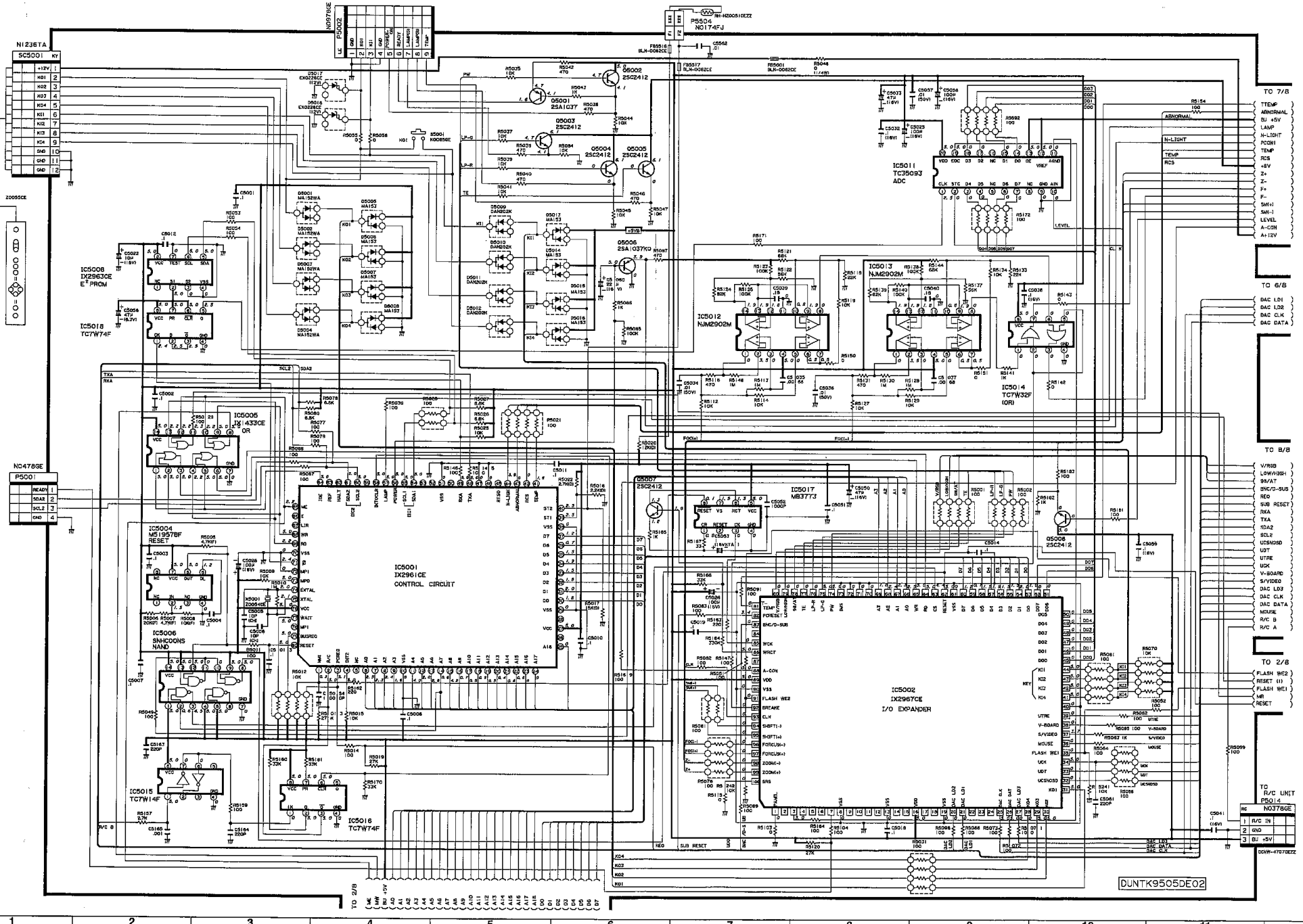
■ SIGNAL UNIT-3/4 / SIGNALEINHEIT-3/4



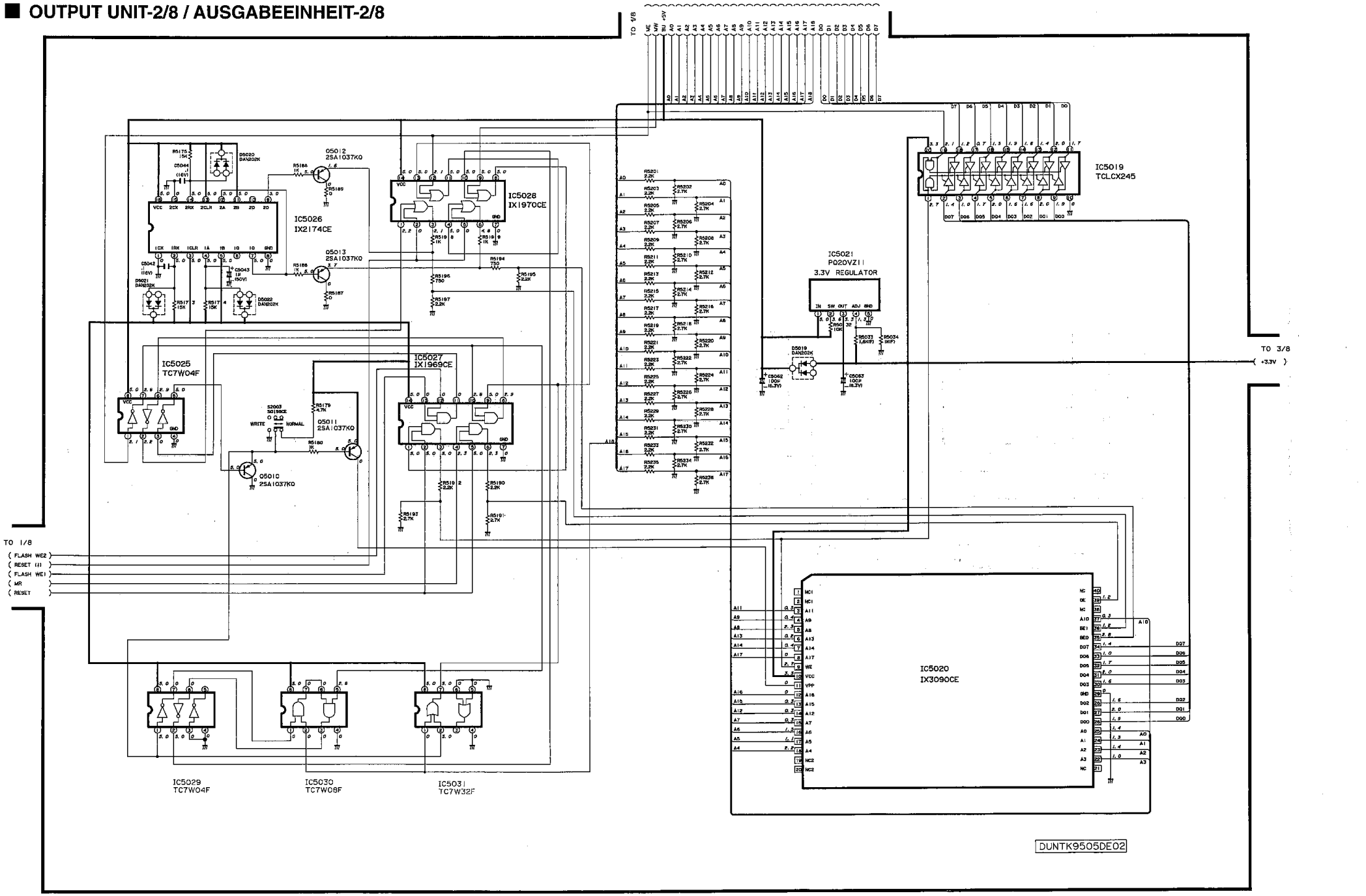
SIGNAL UNIT-4/4 / SIGNALEINHEIT-4/4



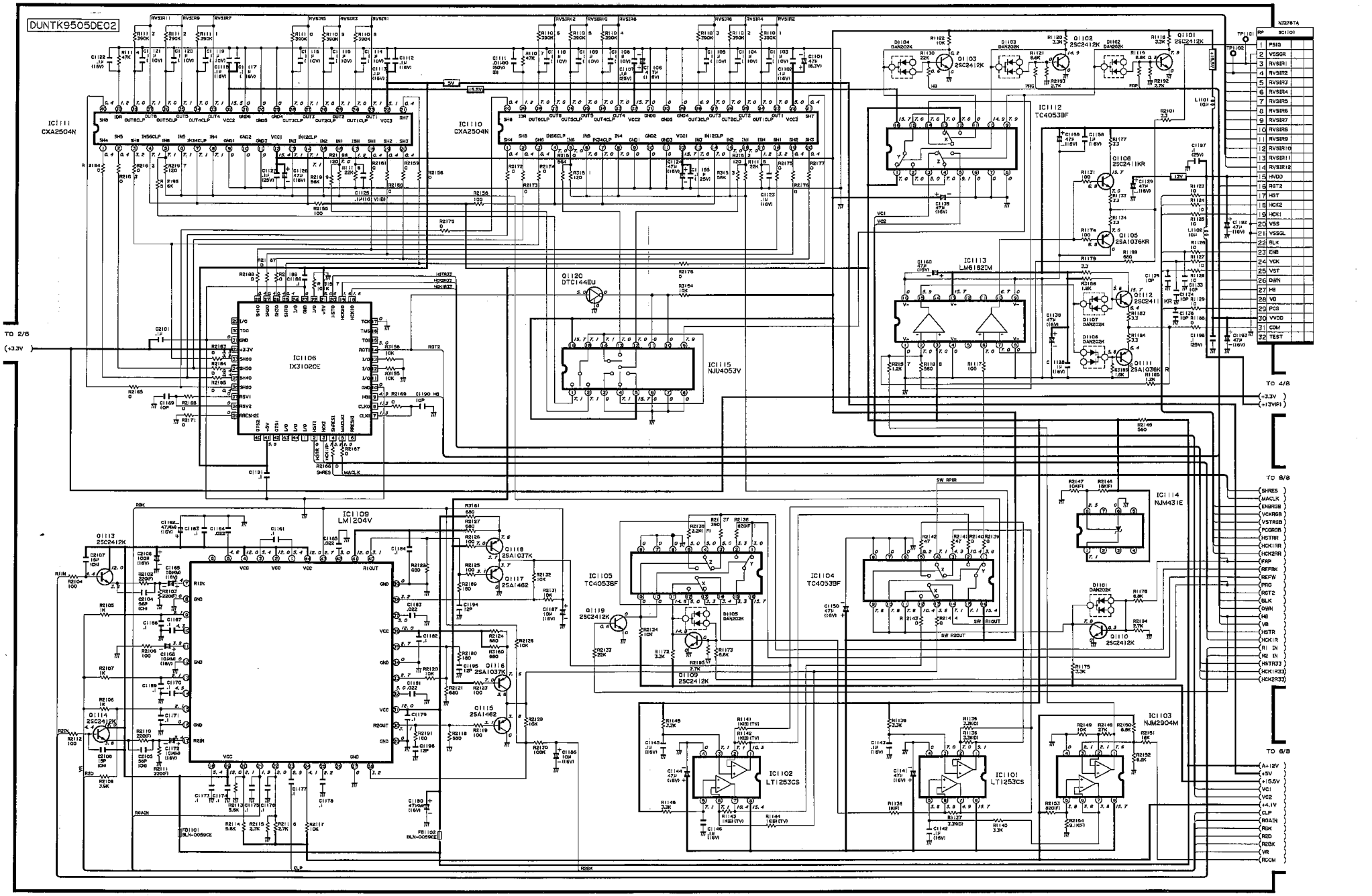
■ OUTPUT UNIT-1/8 / AUSGABEEINHEIT-1/8



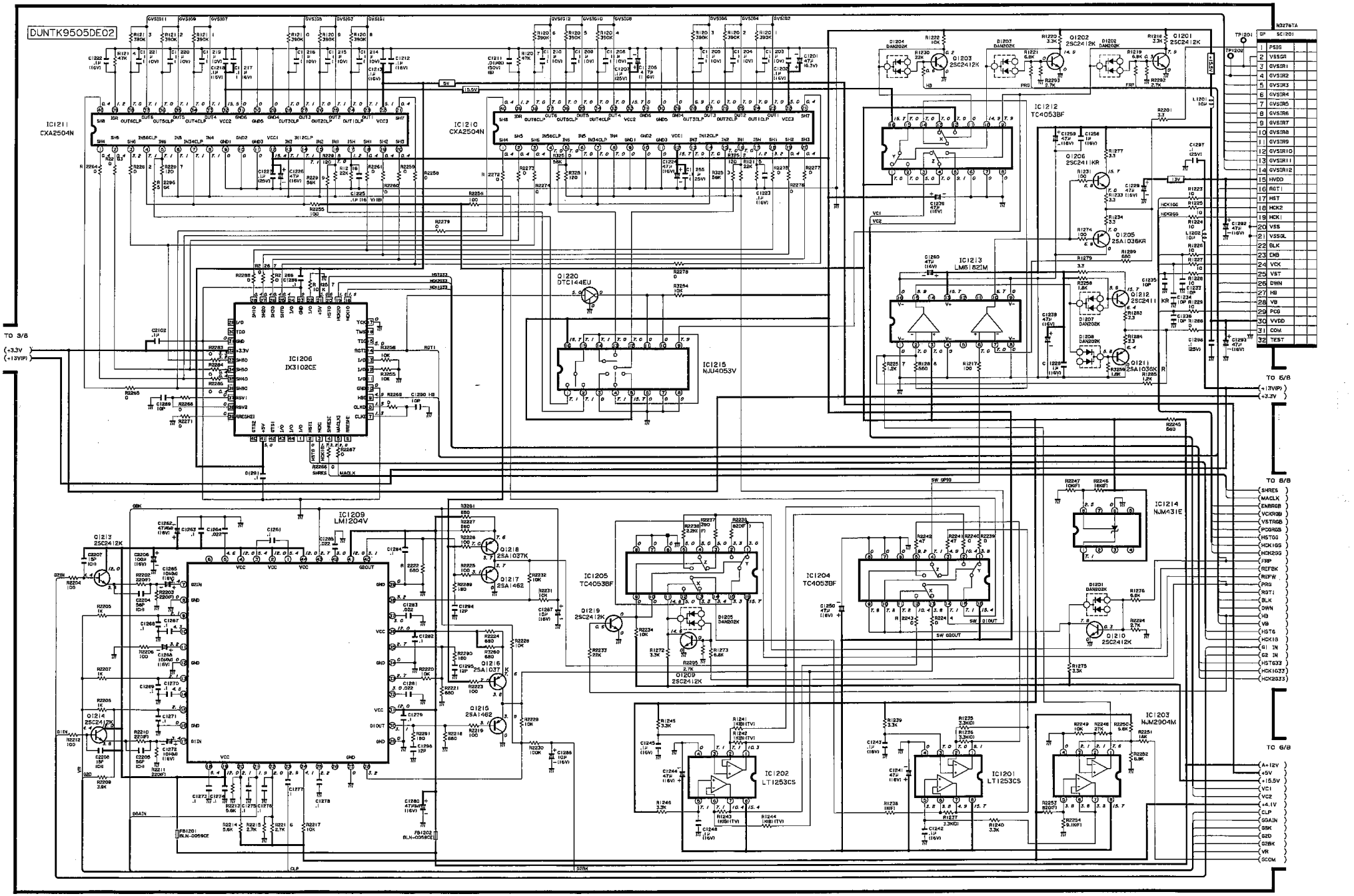
■ OUTPUT UNIT-2/8 / AUSGABEEINHEIT-2/8



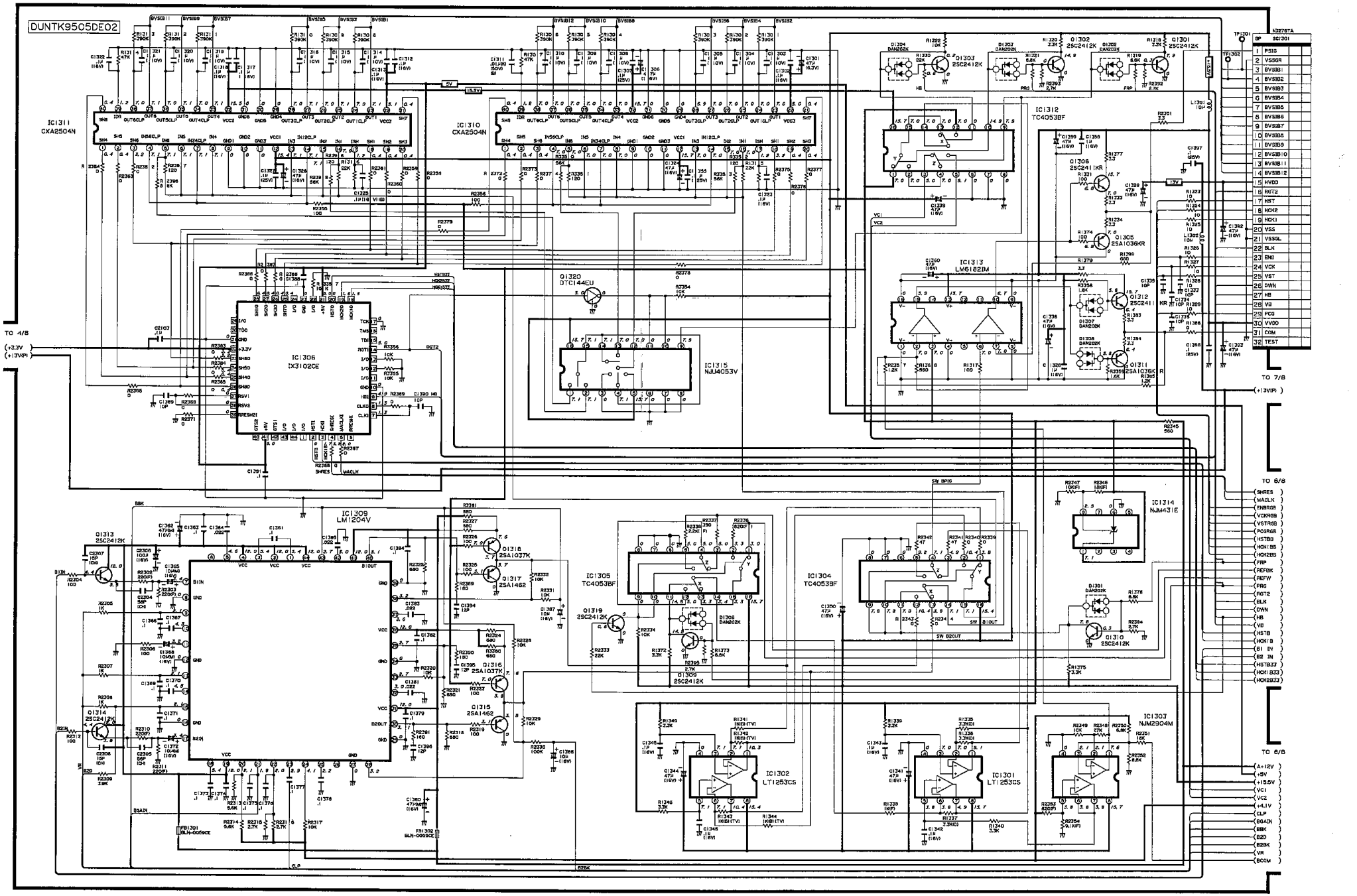
■ OUTPUT UNIT-3/8 / AUSGABEEINHEIT-3/8



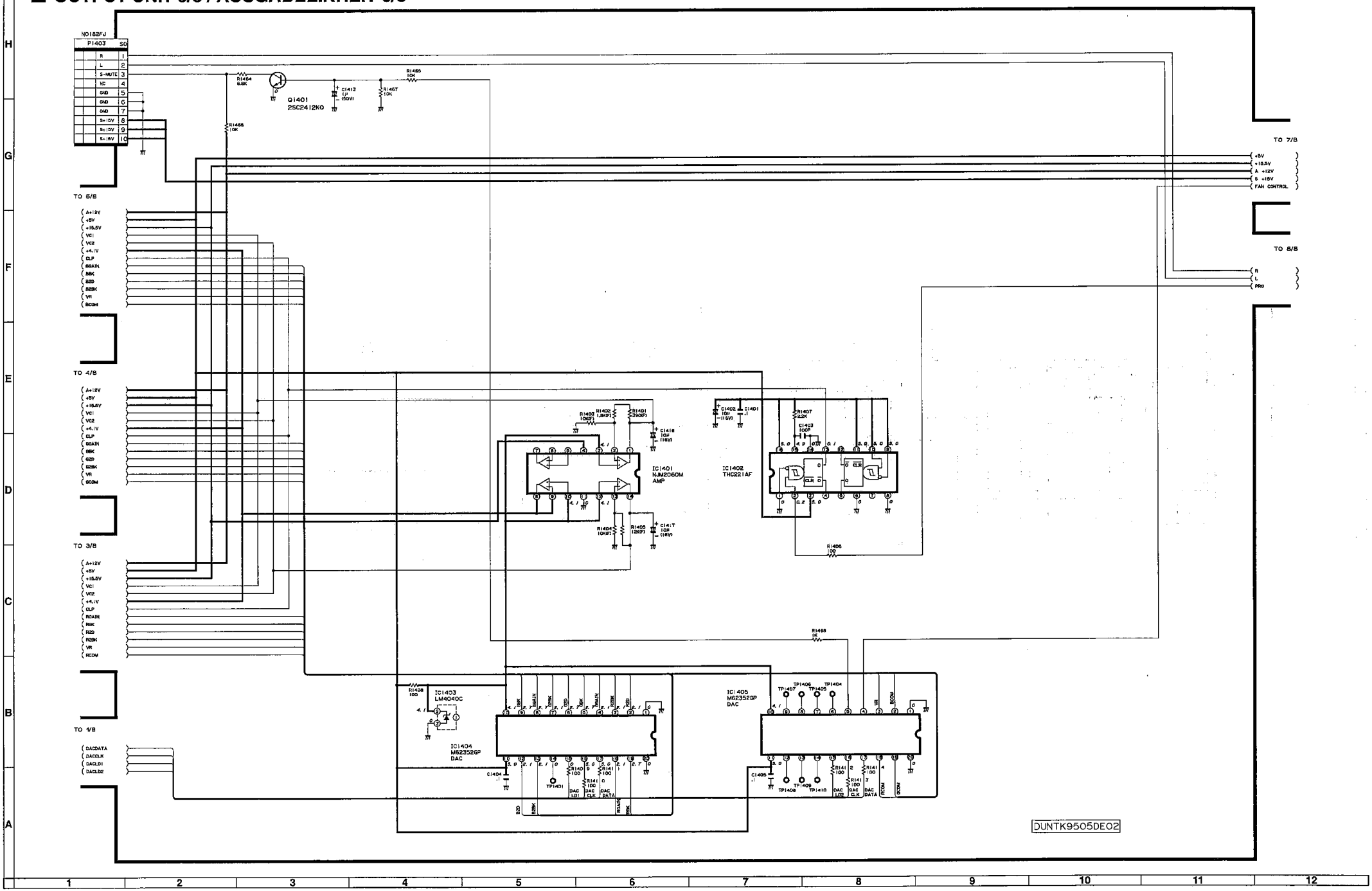
■ OUTPUT UNIT-4/8 / AUSGABEEINHEIT-4/8



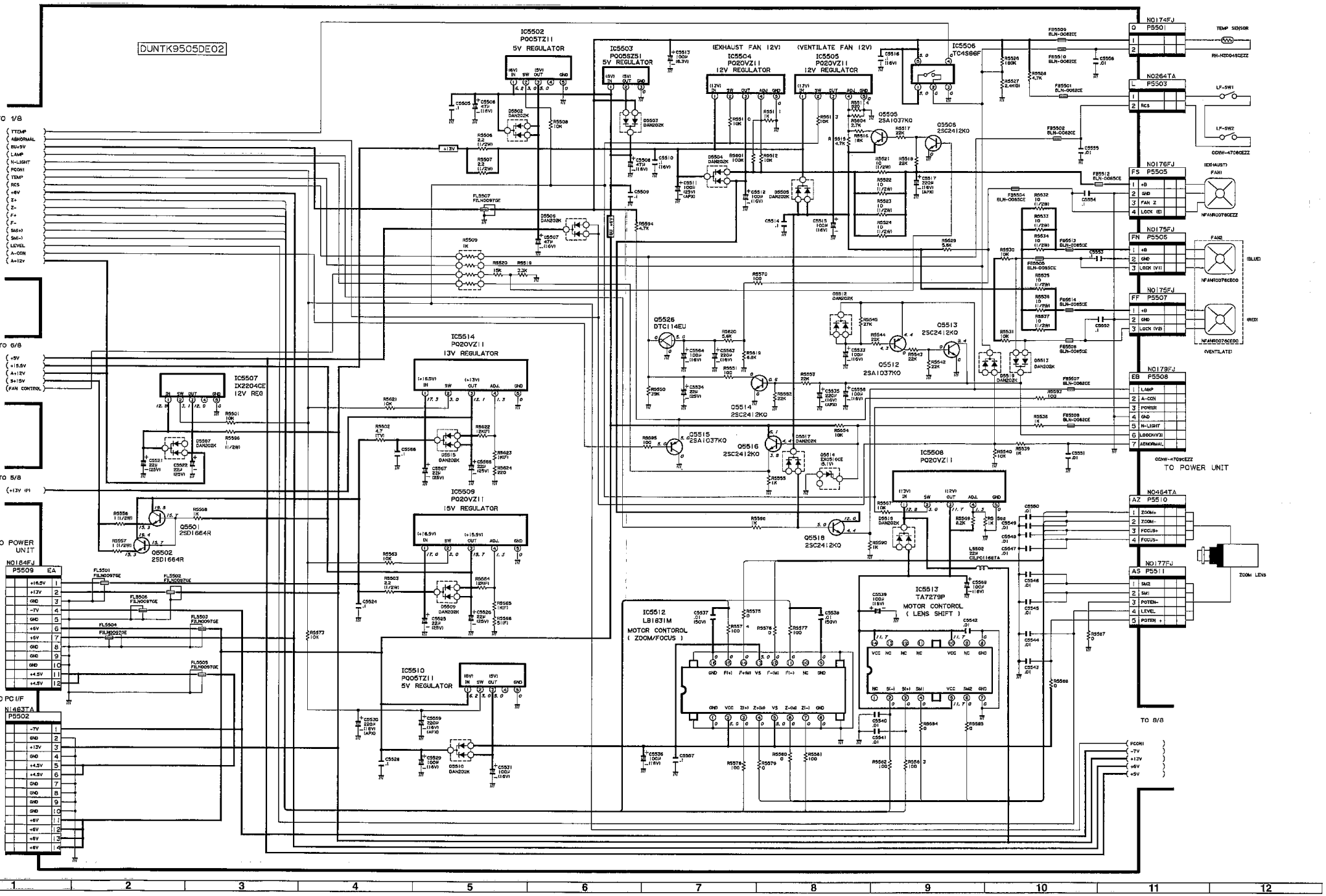
■ OUTPUT UNIT-5/8 / AUSGABEEINHEIT-5/8



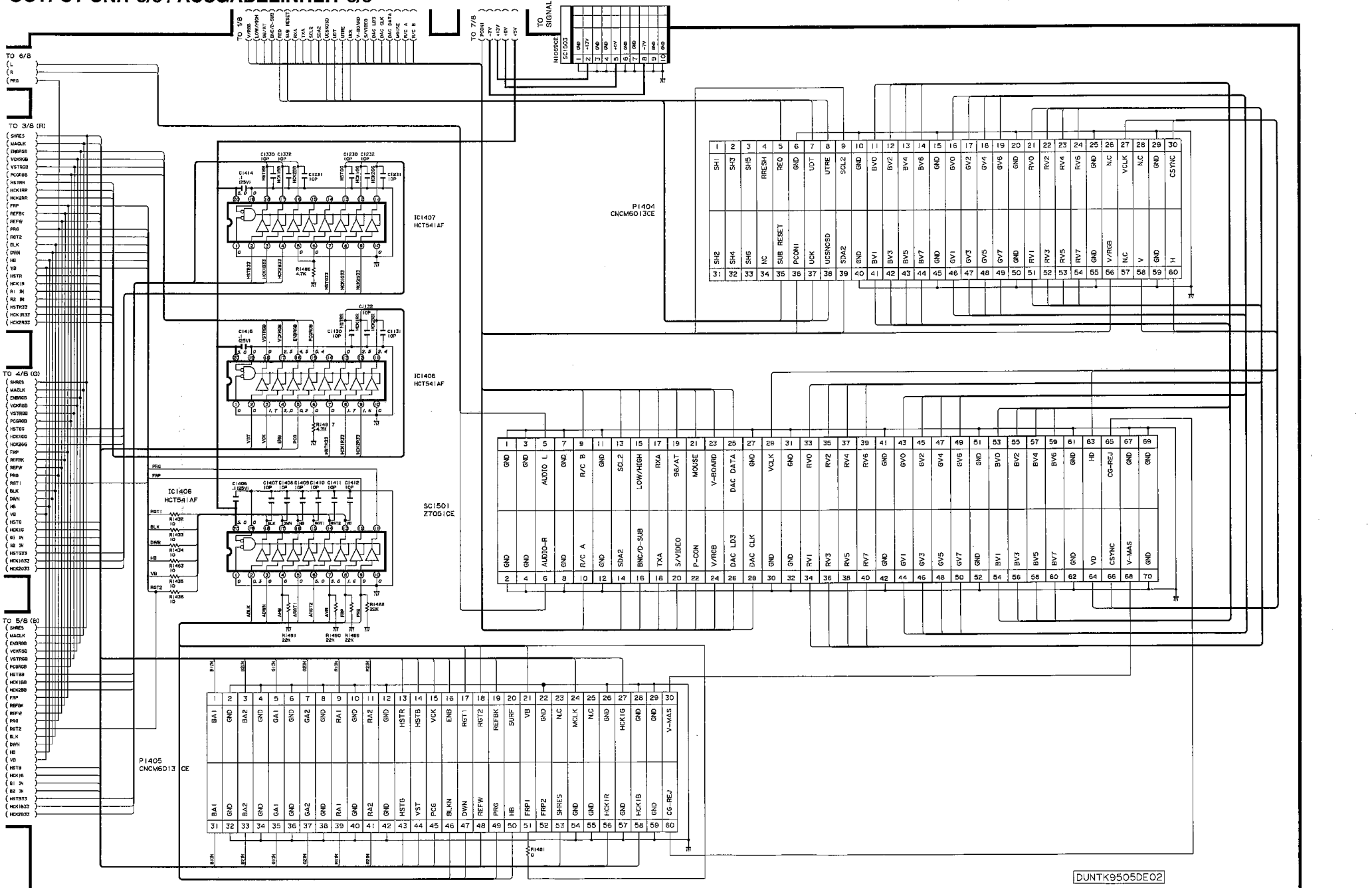
■ OUTPUT UNIT-6/8 / AUSGABEEINHEIT-6/8



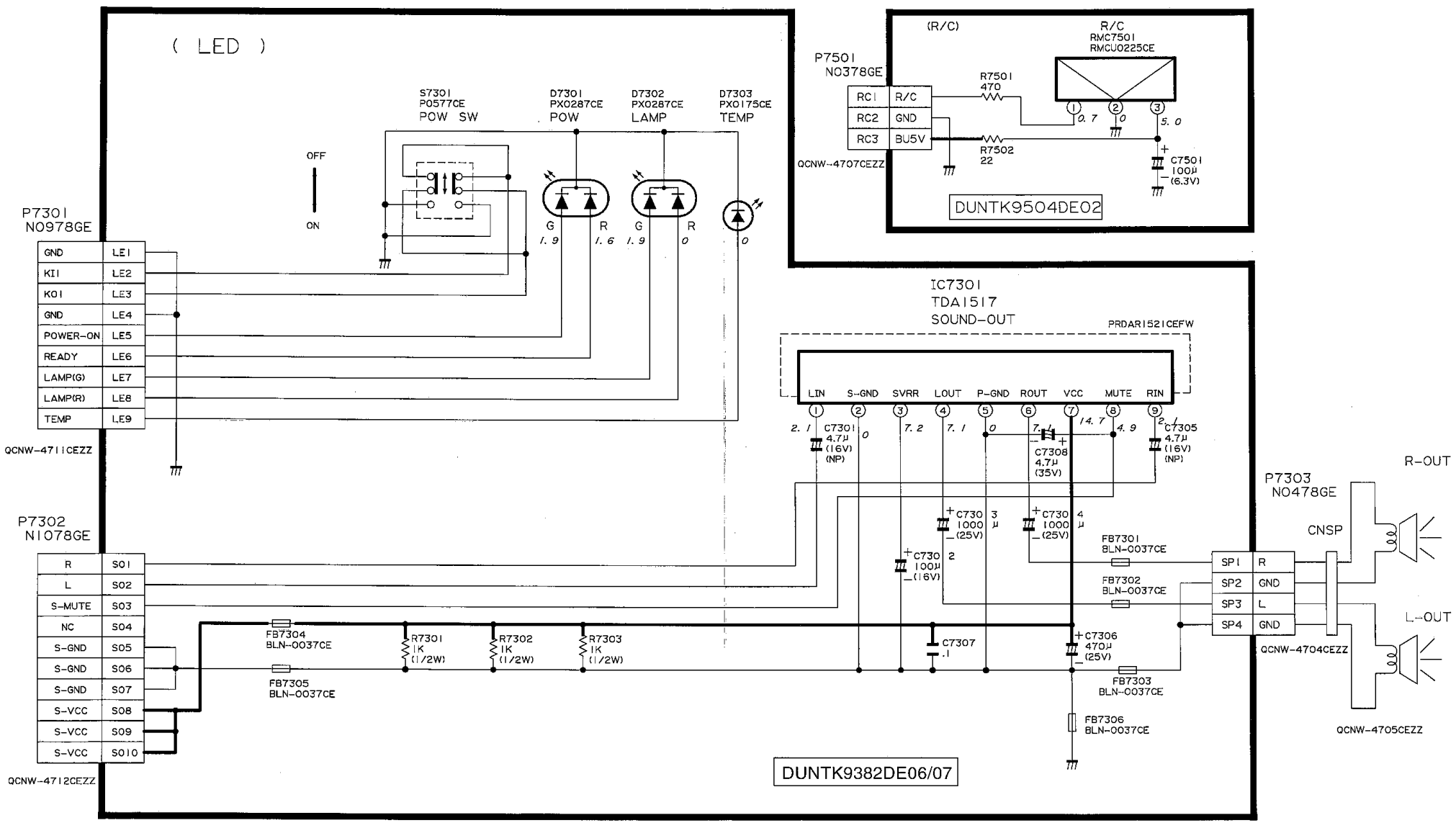
■ OUTPUT UNIT-7/8 / AUSGABEEINHEIT-7/8



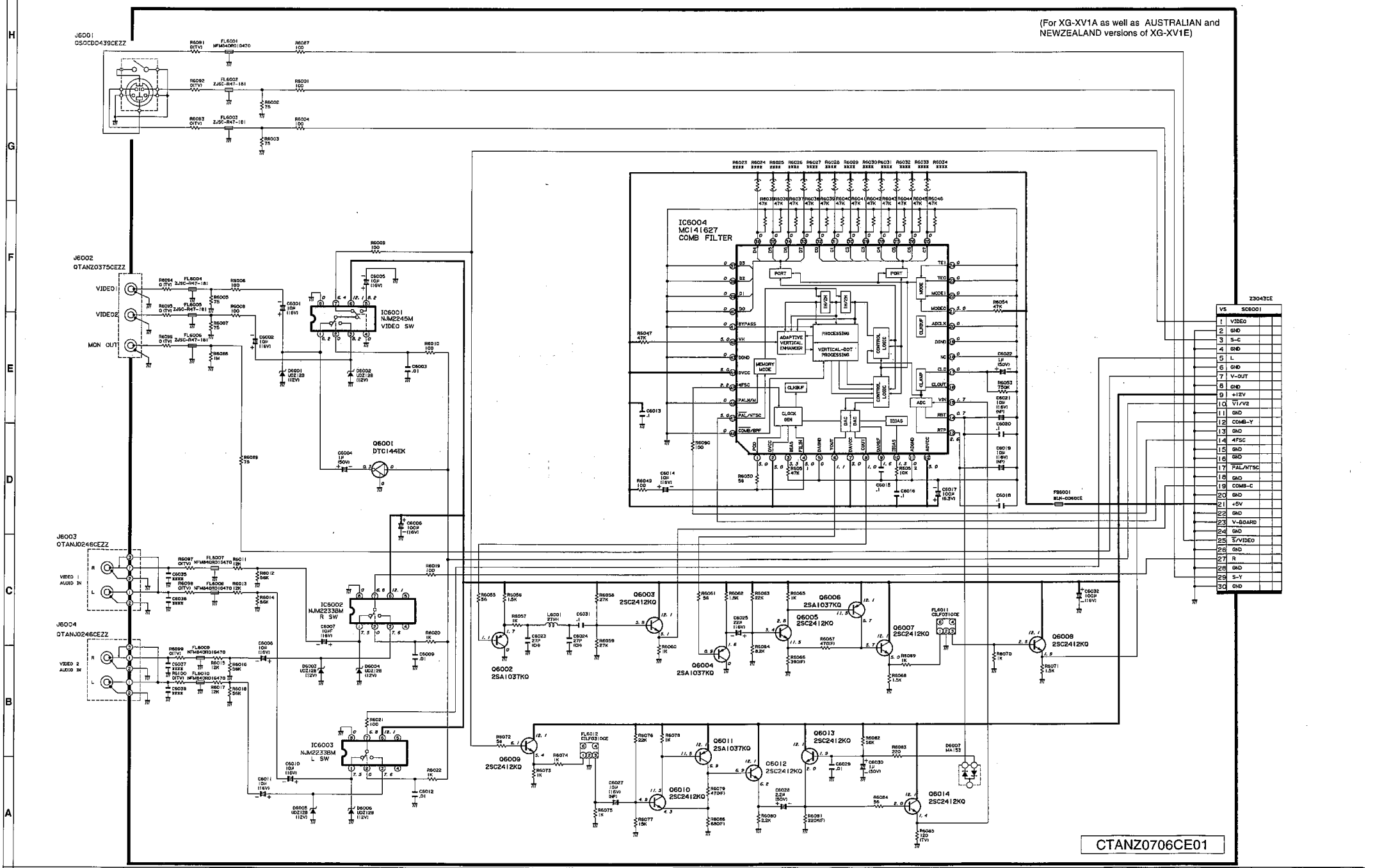
OUTPUT UNIT-8/8 / AUSGABEEINHEIT-8/8



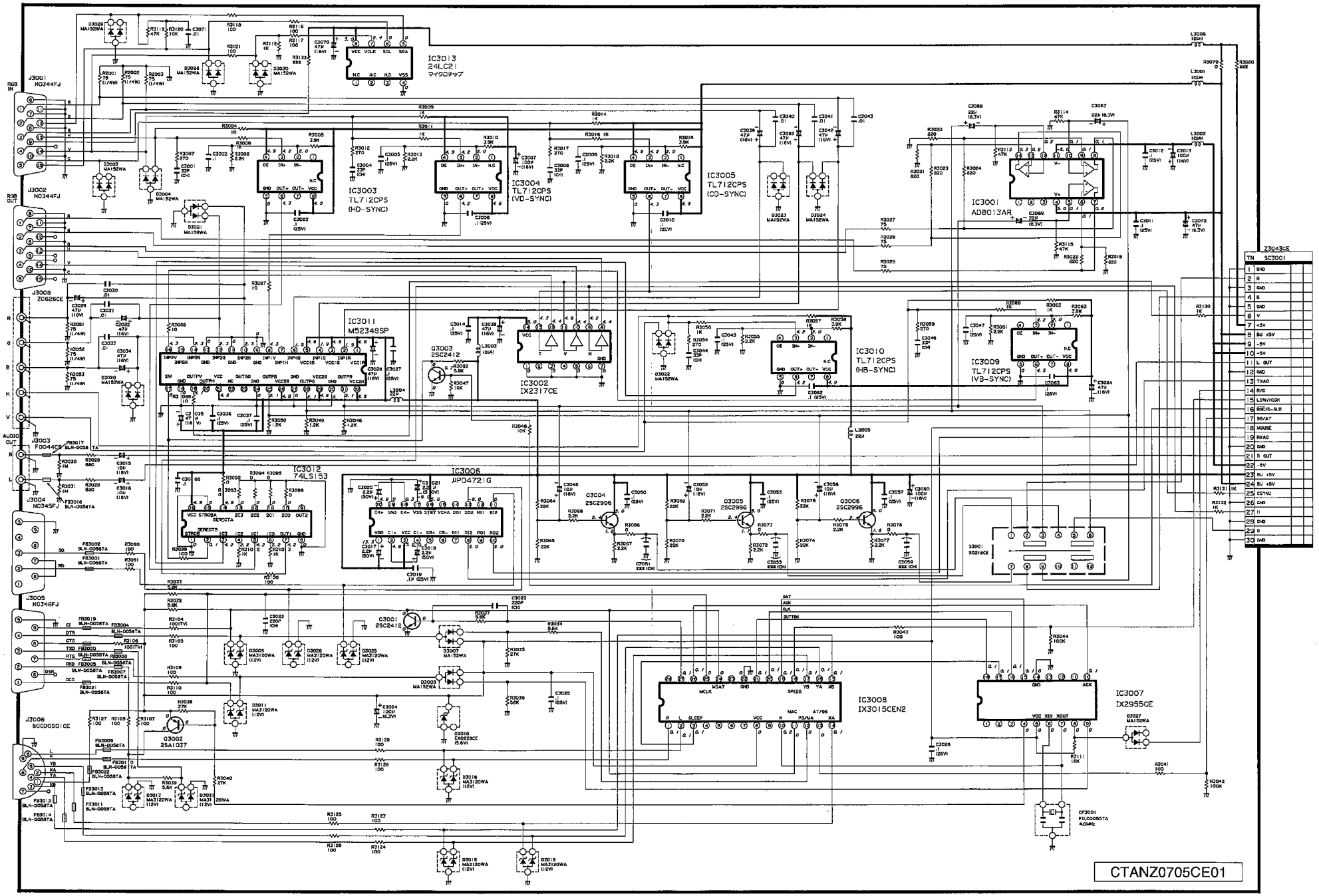
■ LED and INFRARED R/C RECEIVER UNIT / LED-EINHEIT sowie INFRAROTEMPFÄNGEREINHEIT



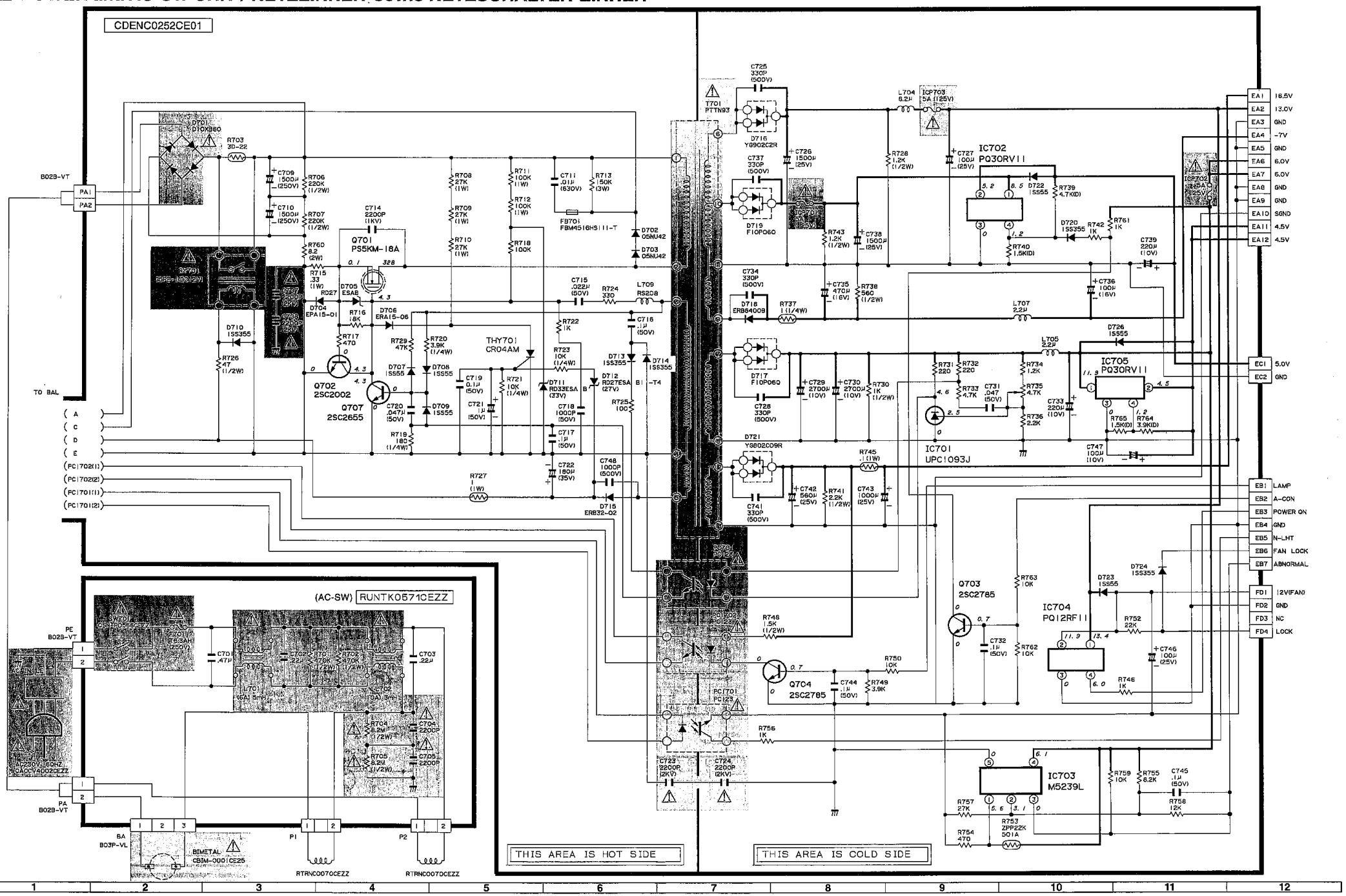
■ VIDEO BOARD UNIT / VIDEOKARTENEINHEIT



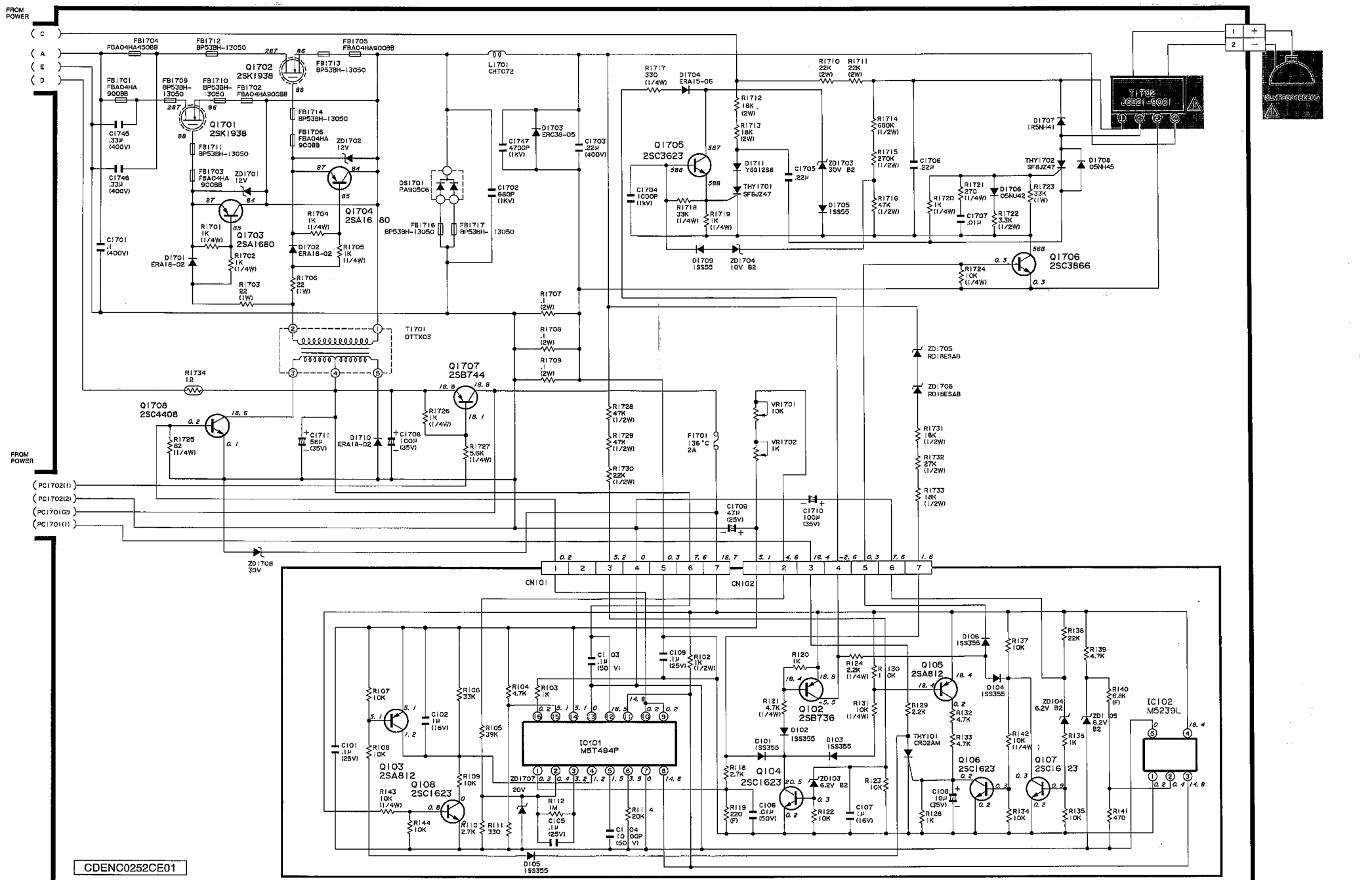
■ PC TERMINAL UNIT / PC-ANSCHLUBEINHEIT



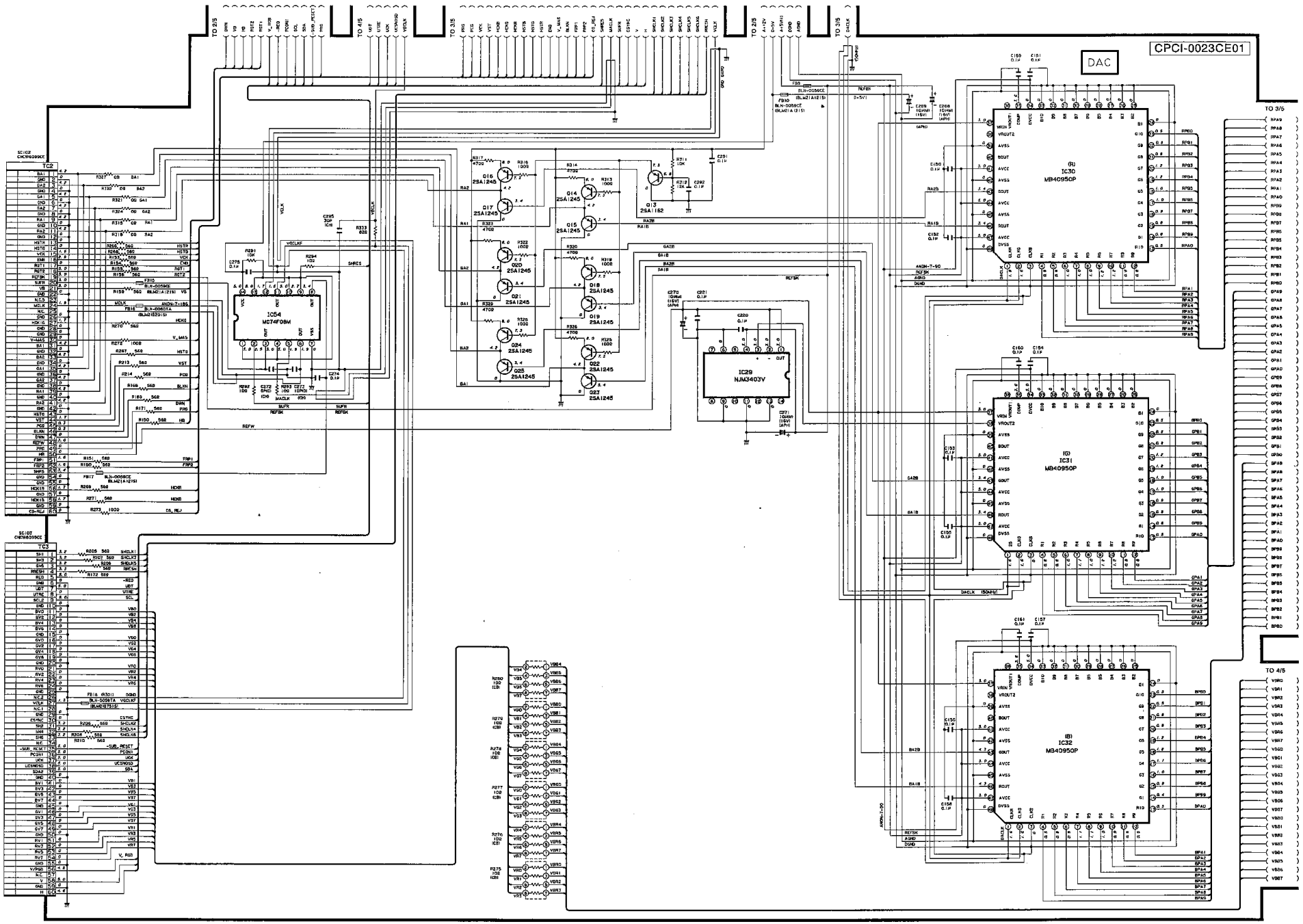
■ POWER and AC-SW UNIT / NETZEINHEIT sowie NETZSCHALTER-EINHEIT



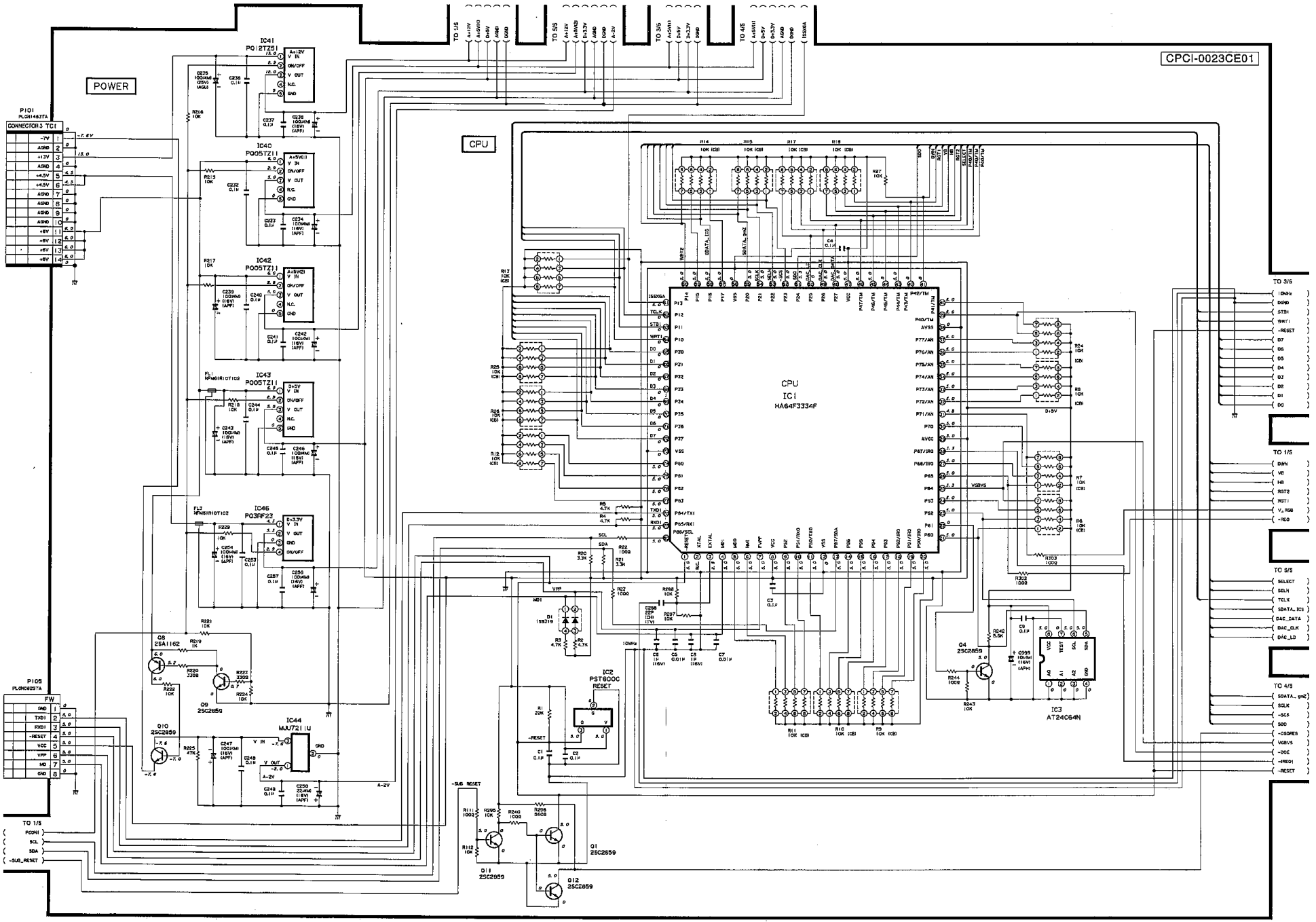
■ BALLAST UNIT / BALLAST-EINHEIT



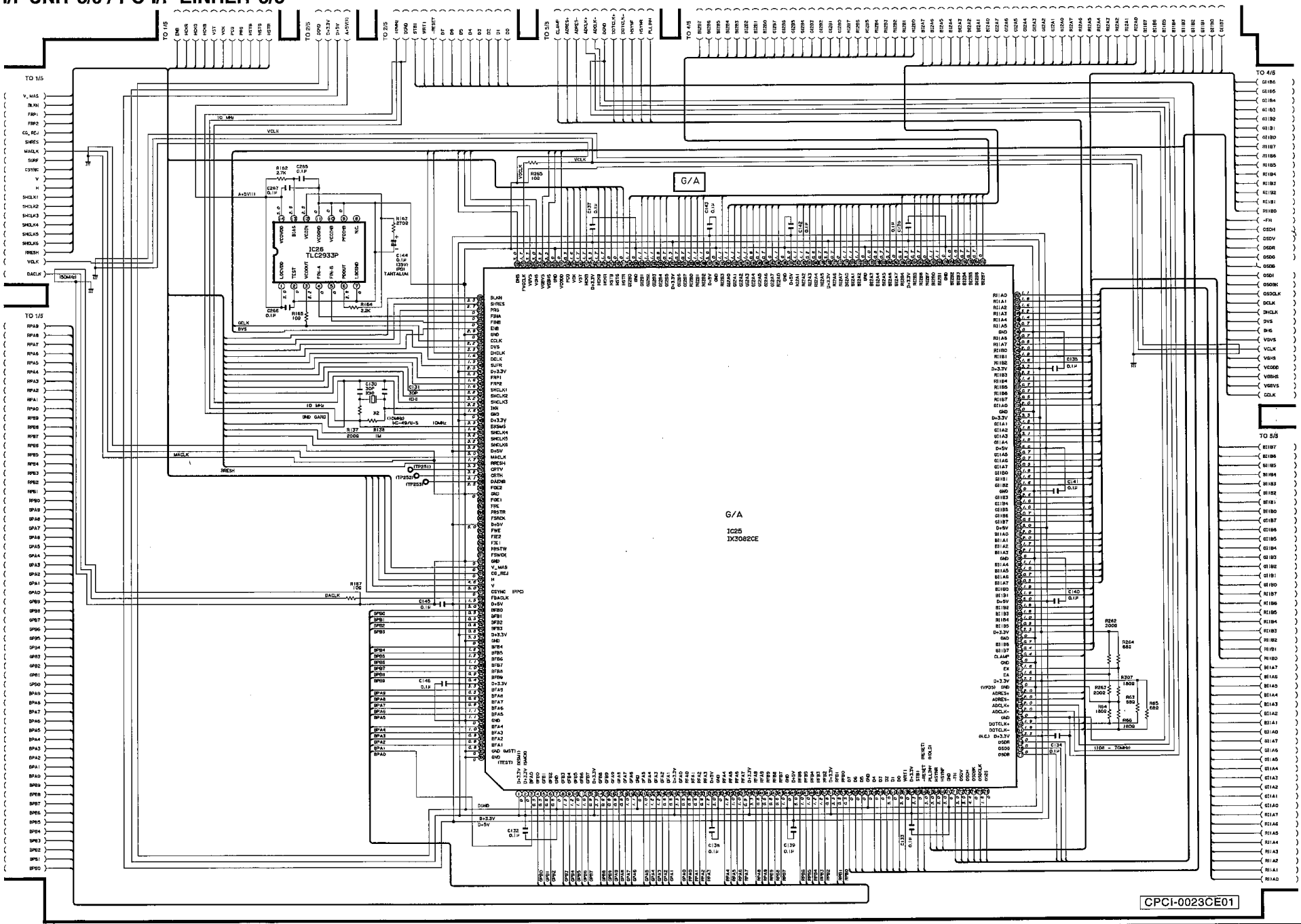
■ PC I/F UNIT-1/5 / PC-I/F-EINHEIT-1/5



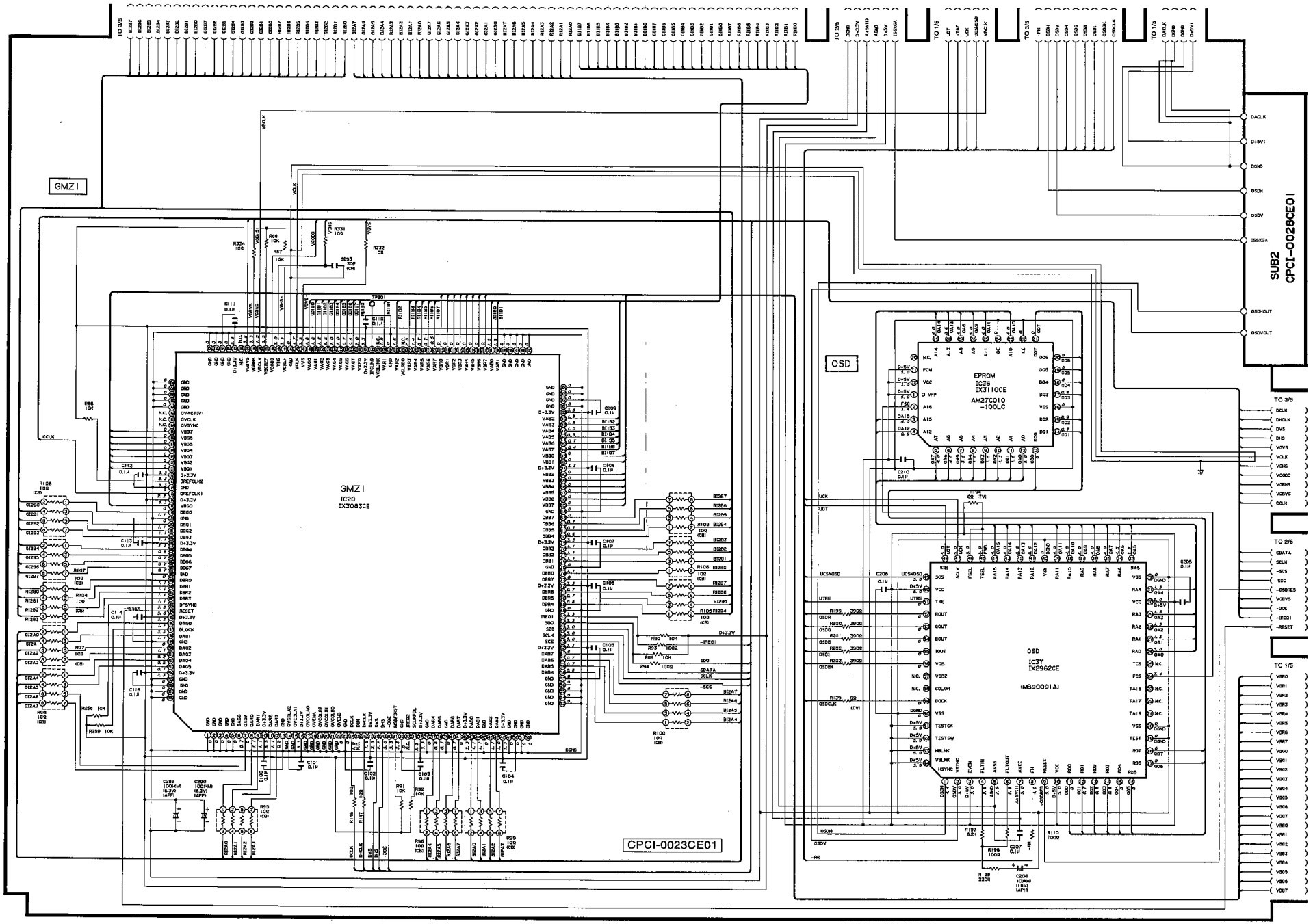
■ PC I/F UNIT-2/5 / PC-I/F-EINHEIT-2/5



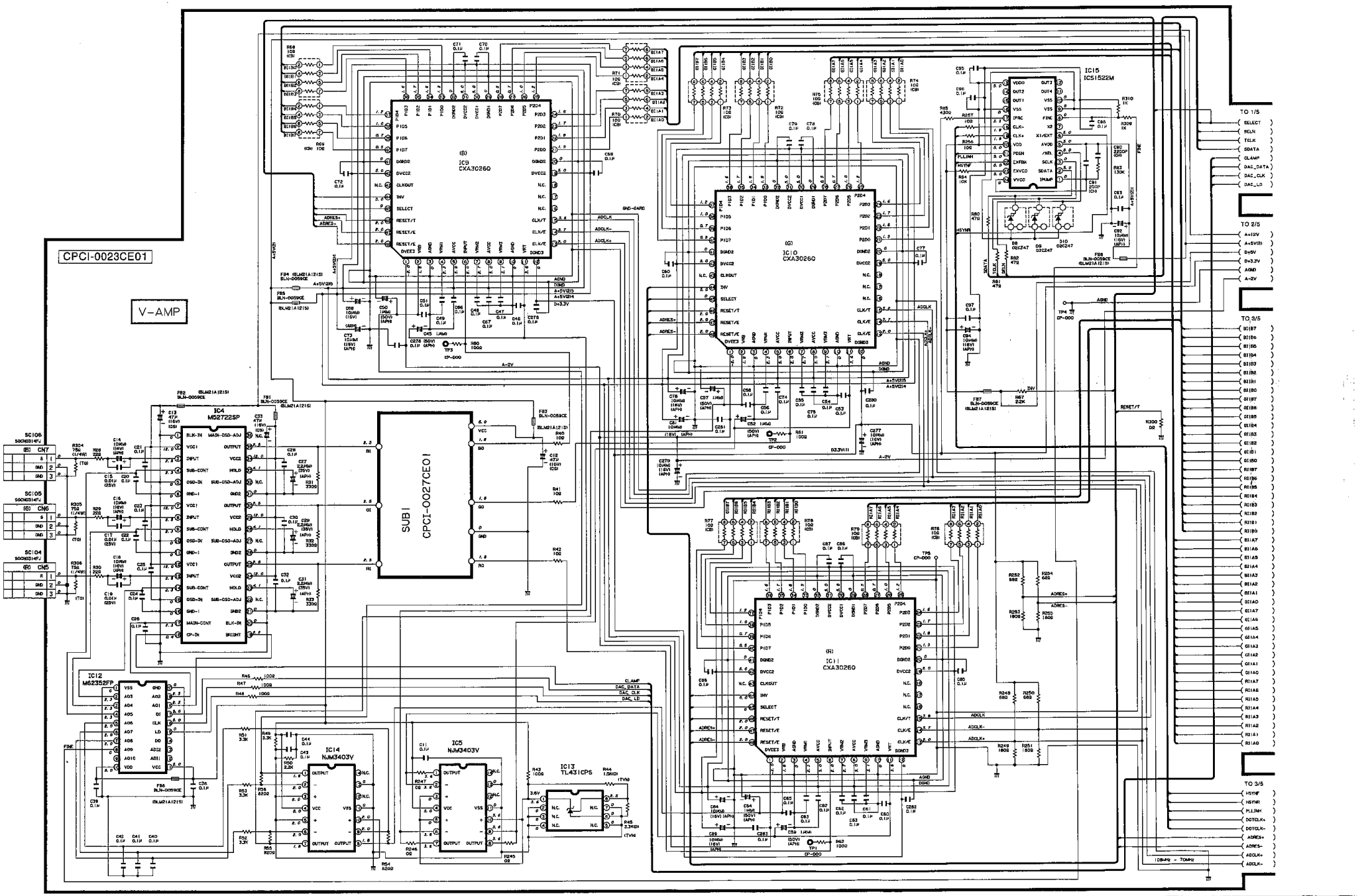
■ PC I/F UNIT-3/5 / PC-I/F-EINHEIT-3/5



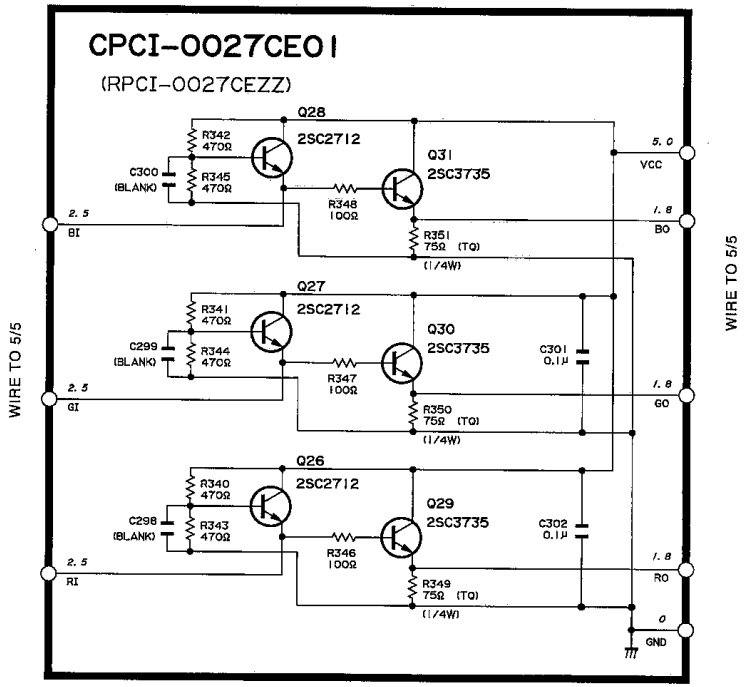
■ PC I/F UNIT-4/5 / PC-I/F-EINHEIT-4/5



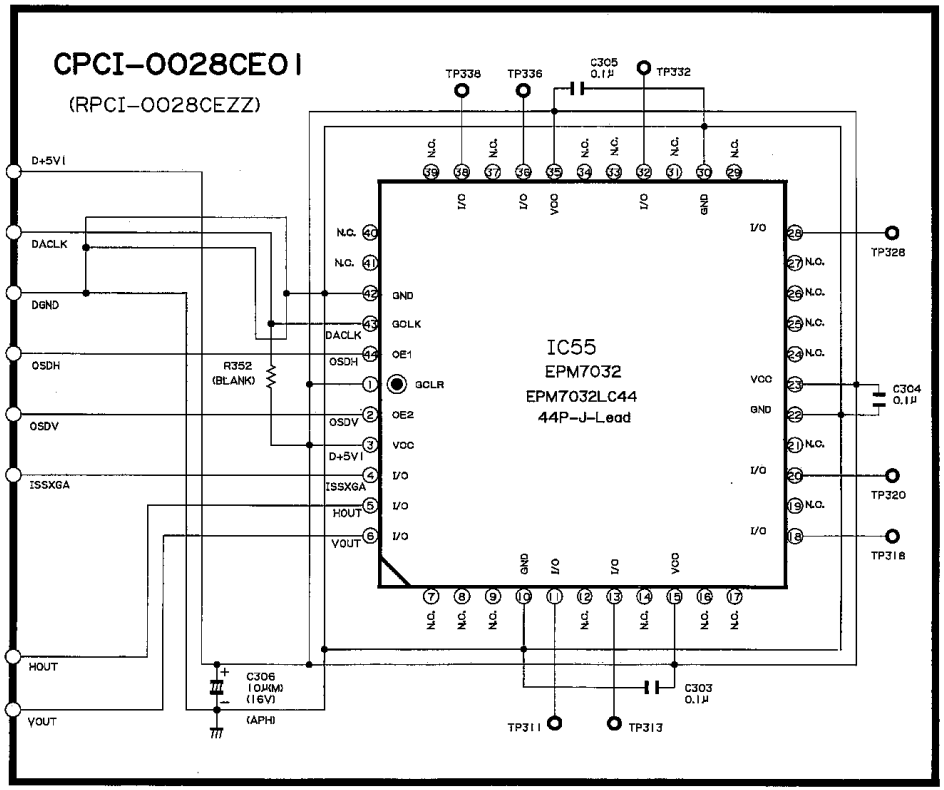
■ PC I/F UNIT-5/5 / PC-I/F-EINHEIT-5/5



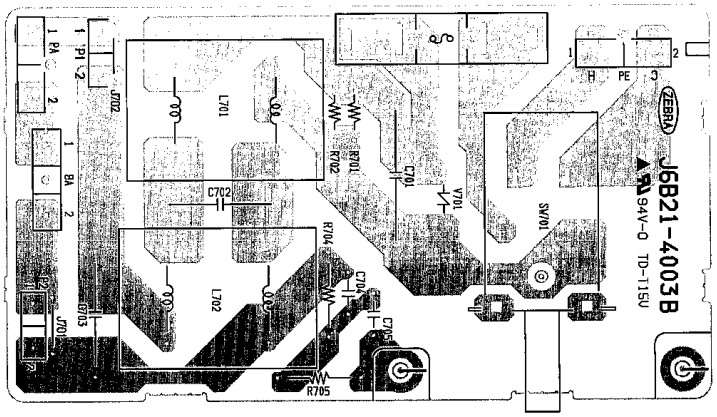
■ PC I/F SUB 1 UNIT / PC-I/F-NEBEN 1-EINHEIT



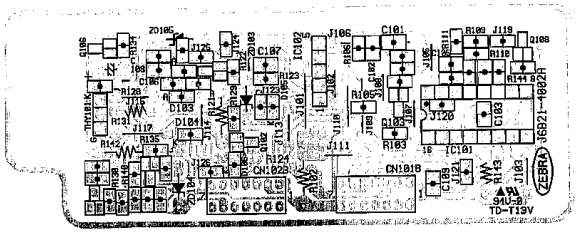
■ PC I/F SUB 2 UNIT / PC-I/F-NEBEN 2-EINHEIT



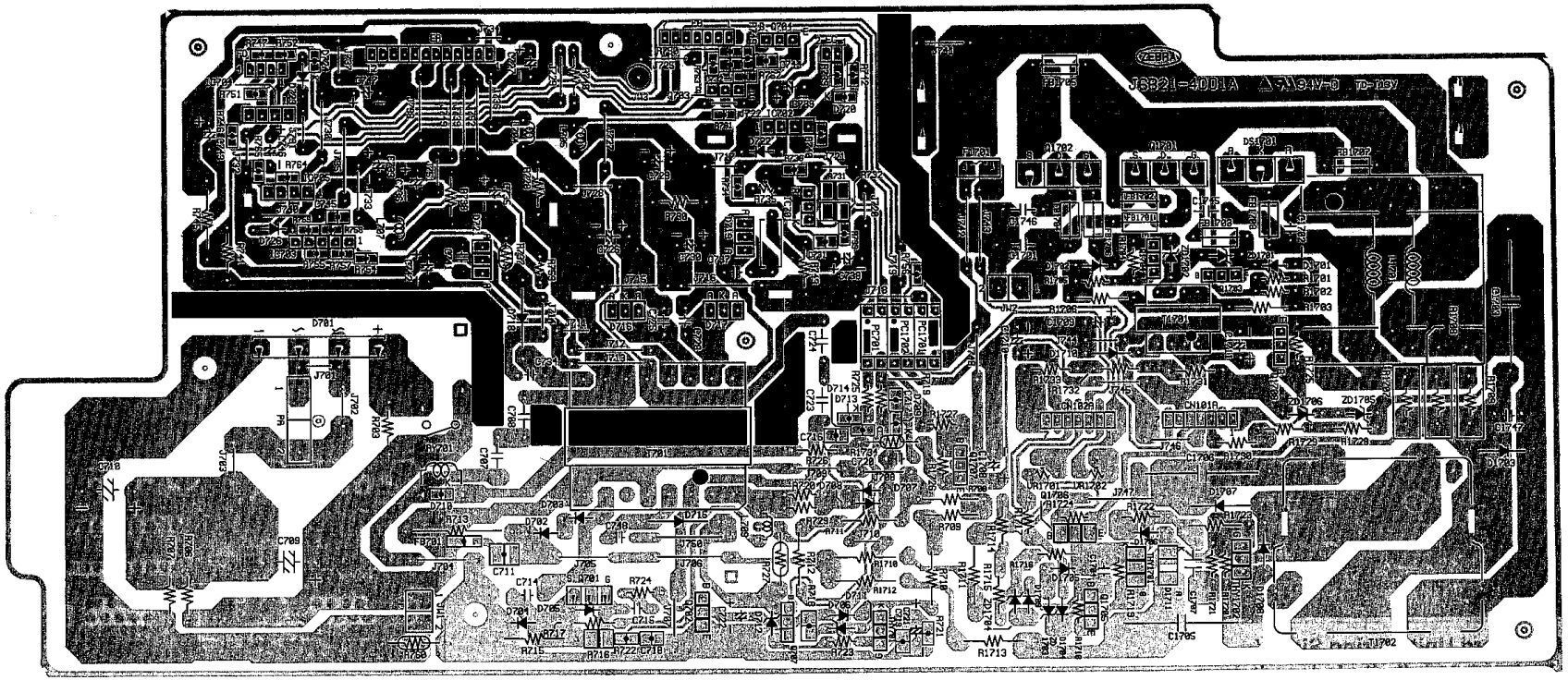
PRINTED WIRING BOARD ASSEMBLIES / LEITERPLATTENEINHEITIN



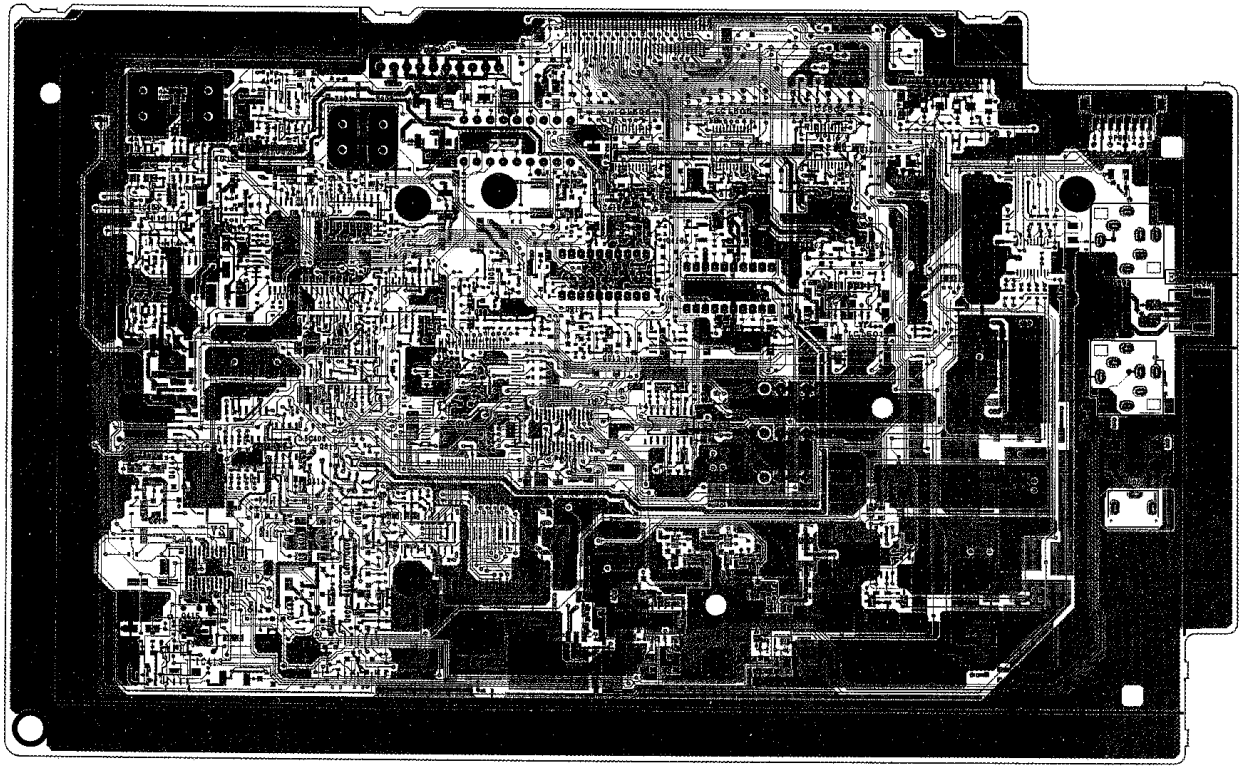
AC-SW Unit (Wiring Side) /
Netzschaltereinheit (Leiterbahnseite)



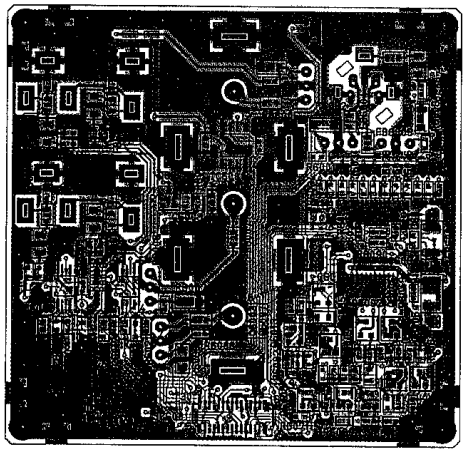
Power/Ballast Unit-2 (Wiring Side) /
Netz-/Ballasteinheit-2 (Leiterbahnseite)



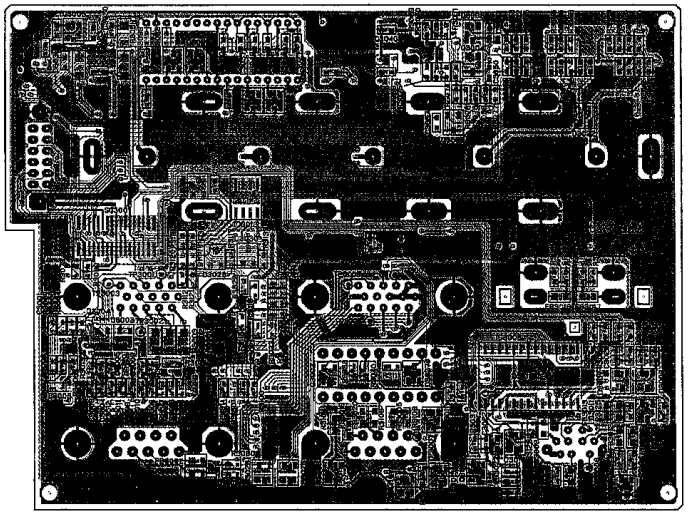
Power/Ballast Unit-1 (Wiring Side) /
Netz-/Ballasteinheit-1 (Leiterbahnseite)



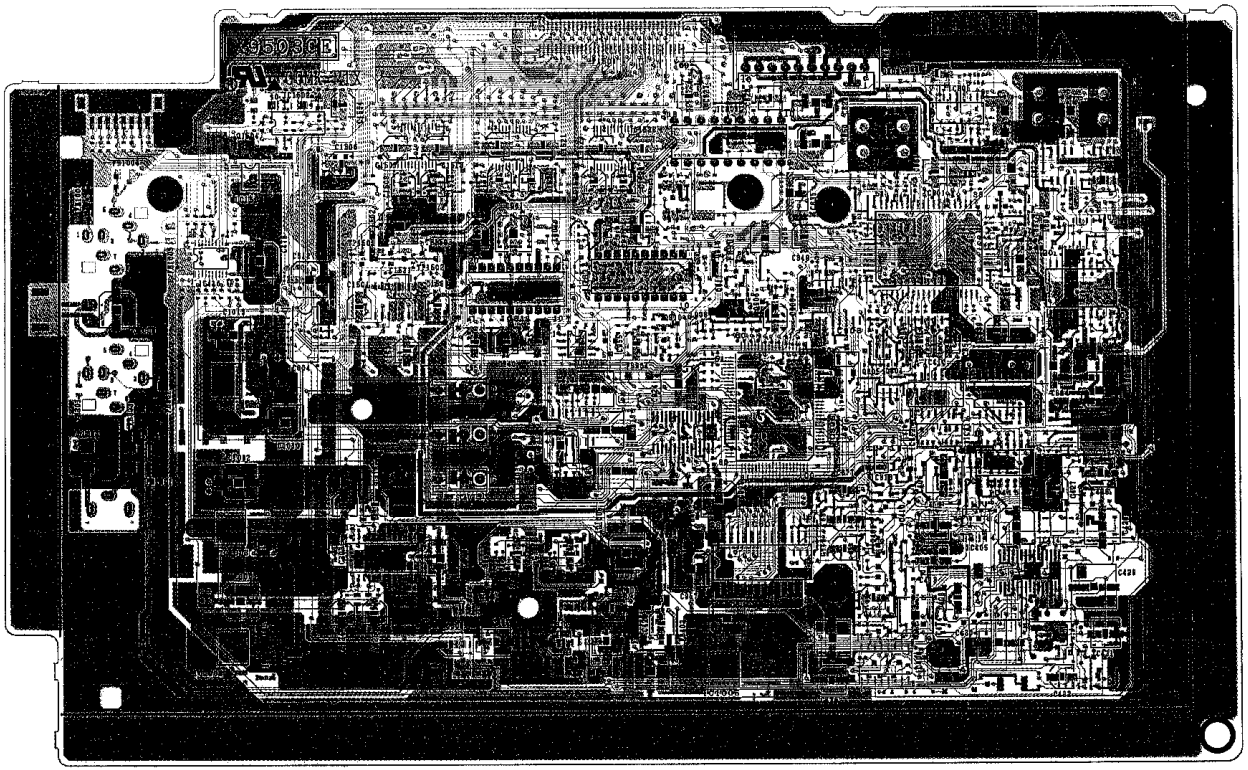
Signal Unit (Wiring Side) /
Signaleinheit (Leiterbahnseite)



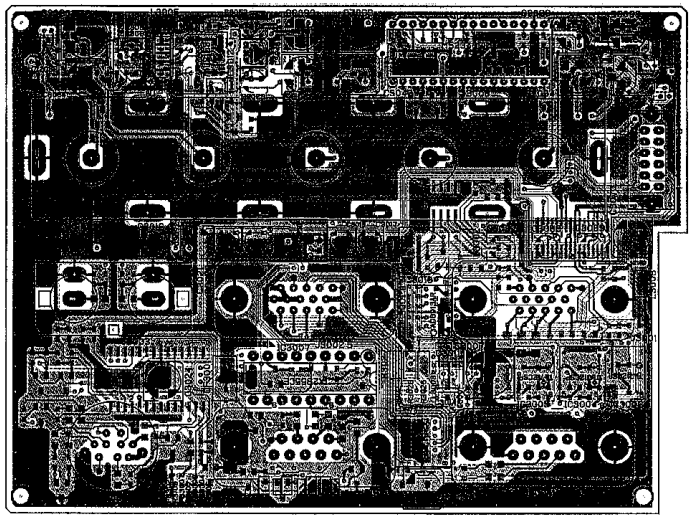
Video Board Unit (Wiring Side) /
Videokarteneinheit (Leiterbahnseite)
(For XG-XV1A as well as Australian and
NewZealand versions of XG-XV1E)



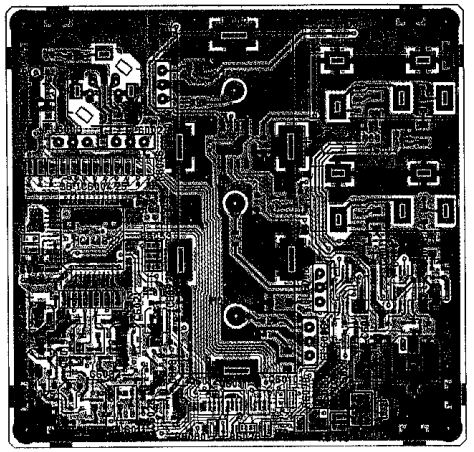
PC Terminal Unit (Wiring Side) /
PC-Anschlußeinheit (Leiterbahnseite)



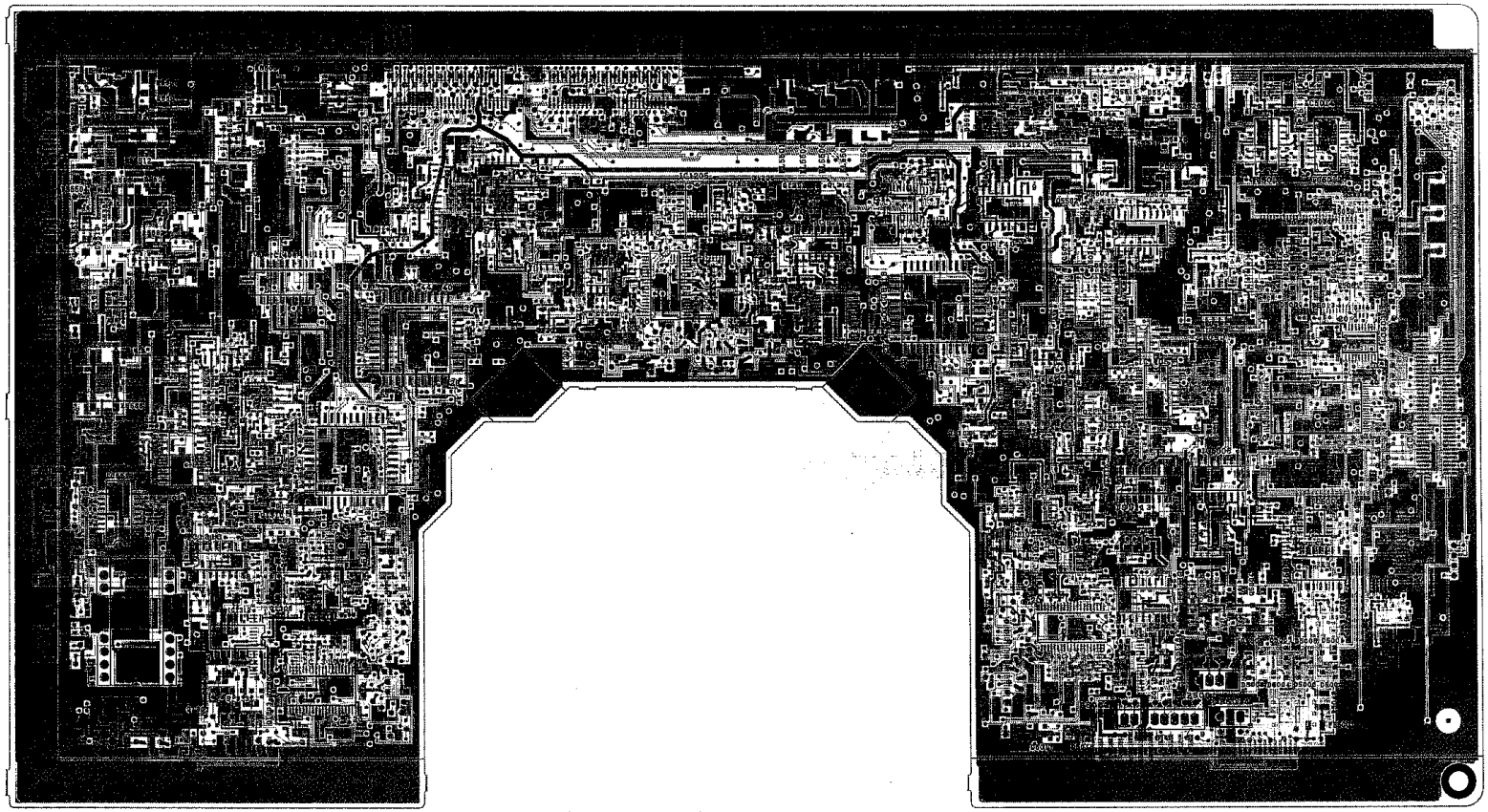
Signal Unit (Component Side) /
Signaleinheit (Bestückungsseite)



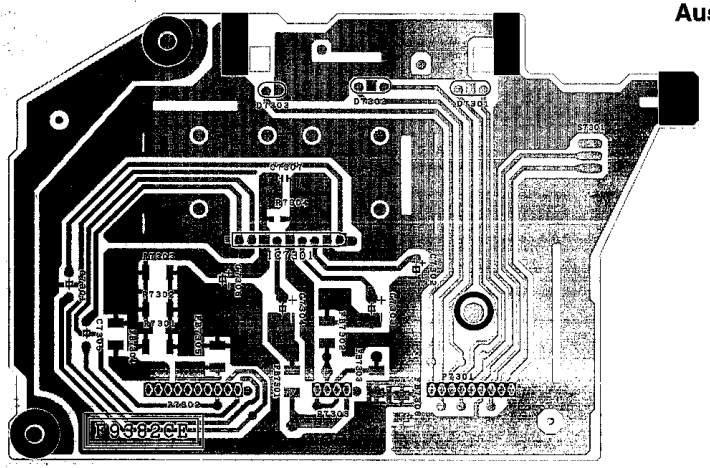
PC Terminal Unit (Component Side) /
PC-Anschlußeinheit (Bestückungsseite)



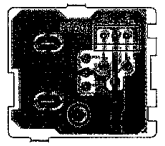
Video Board Unit (Component Side) /
Videokarteneinheit (Bestückungsseite)
(For XG-XV1A as well as Australian and
NewZealand versions of XG-XV1E)



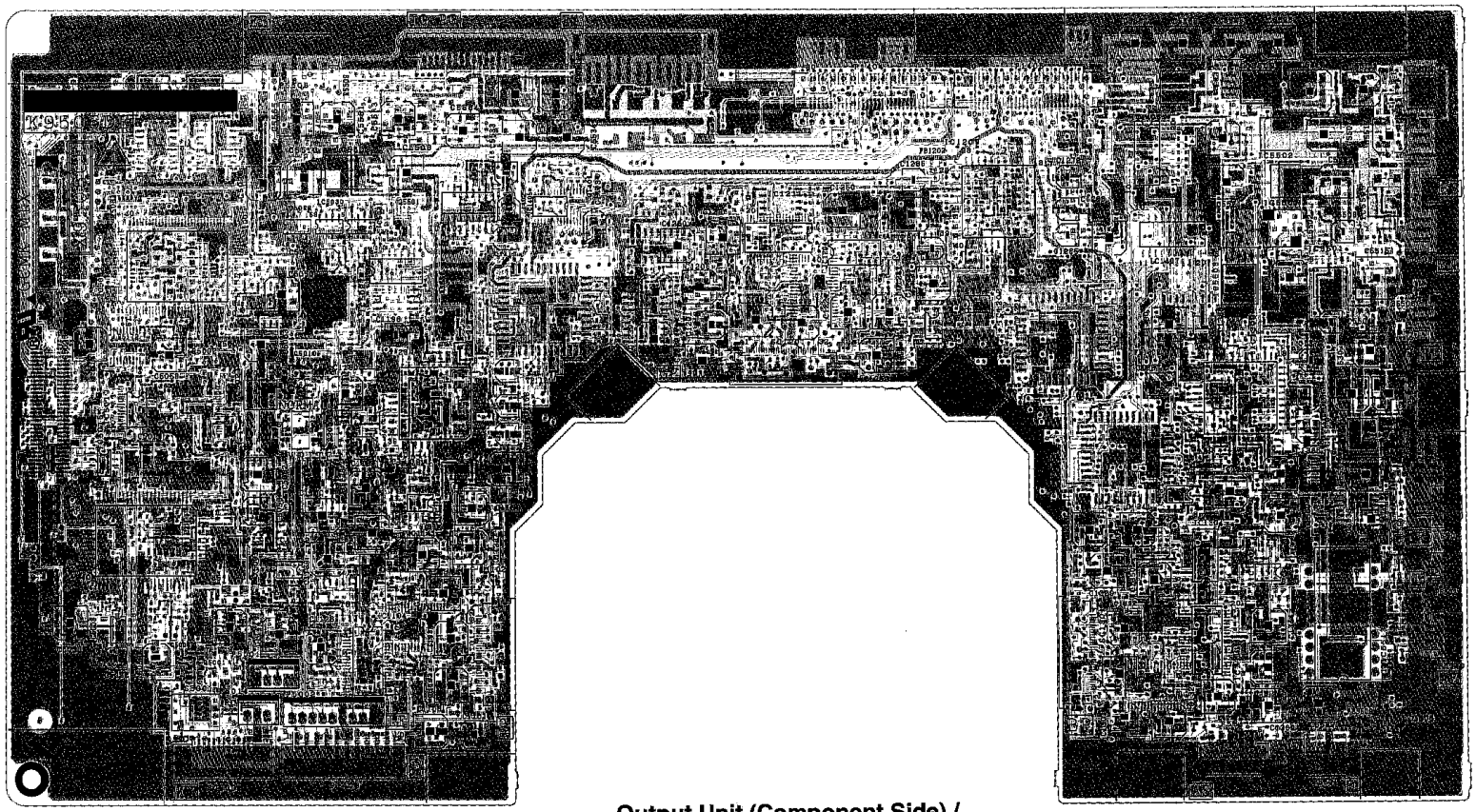
Output Unit (Wiring Side) /
Ausgabeeinheit (Leiterbahnseite)



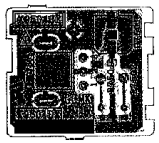
LED Unit (Wiring Side) /
LED-Einheit (Leiterbahnseite)



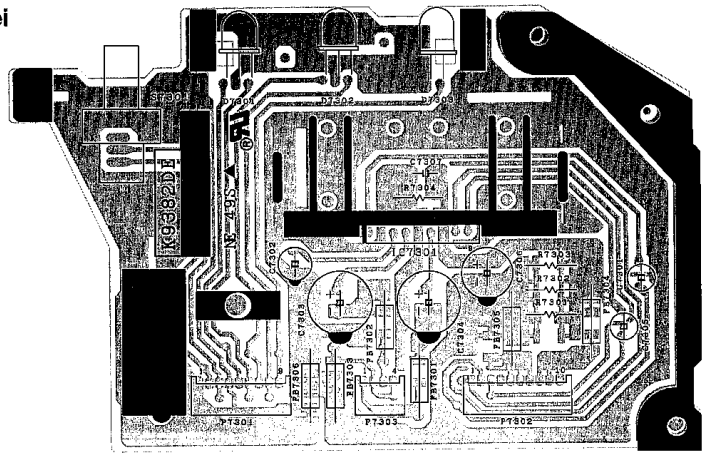
Infrared R/C Receiver Unit (Wiring Side) /
Infrarot-Empfängereinheit (Leiterbahnseite)



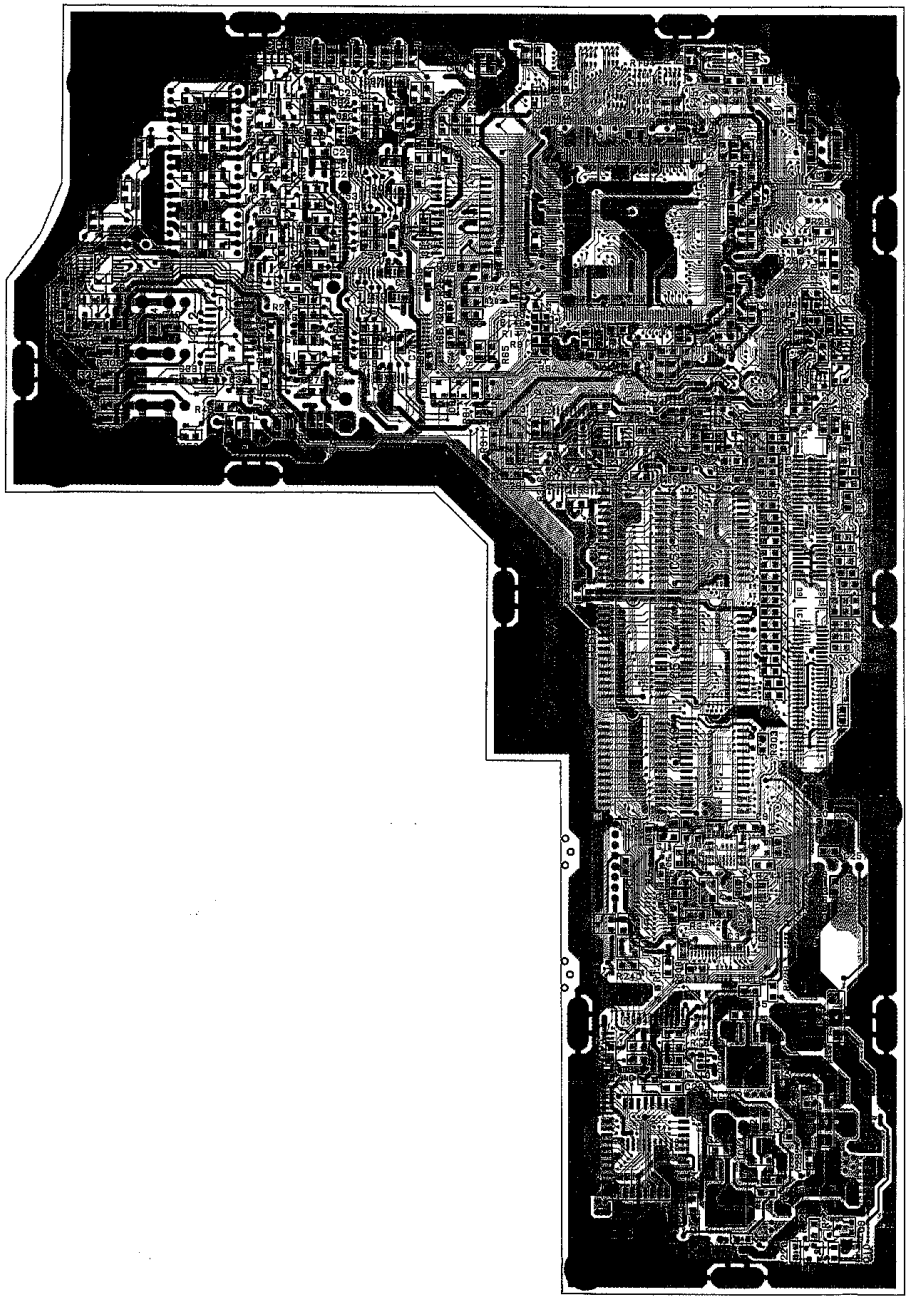
Output Unit (Component Side) /
Ausgabeeinheeit (Bestückungssei



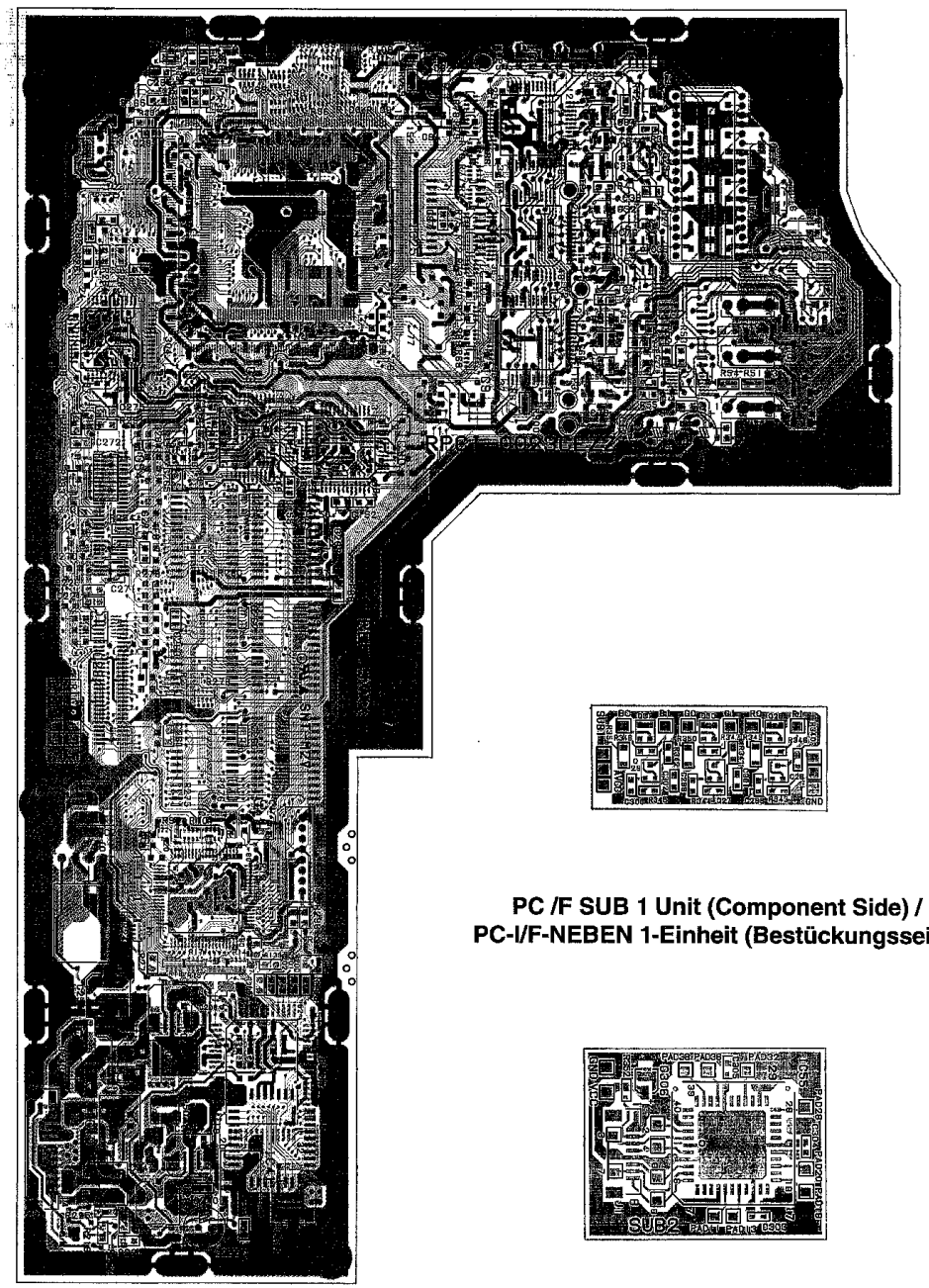
Infrared R/C Receiver Unit (Component Side) /
Infrarot-Empfängereinheit (Bestückungsseite)



LED Unit (Component Side) /
LED-Einheit (Bestückungsseite)



PC I/F Unit (Wiring Side) /
PC-I/F-Einheit (Leiterbahnseite)



PC I/F Unit (Component Side) /
PC-I/F-Einheit (Bestückungsseite)

PC /F SUB 1 Unit (Component Side) /
PC-I/F-NEBEN 1-Einheit (Bestückungsseite)

PC I/F SUB 2 Unit (Component Side) /
PC-I/F-NEBEN 2-Einheit (Bestückungsseite)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

MARK ★: SPARE PARTS-DELIVERY SECTION

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet.
Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheits-eigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.
2. REF. NR.
3. ERSATZTEIL NR.
4. BESCHREIBUNG
5. KODE
6. QUANTITÄT

MARKIERUNG ★: ERSATZTEILE-LIEFERUNG

Ref. No.	Part No.	★	Description	Code

LCD PANELS

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

	RLCDP0046CEZZ	J	LCD Module Unit, Red	DU
	RLCDP0047CEZZ	J	LCD Module Unit, Green	DU
	RLCDP0048CEZZ	J	LCD Module Unit, Blue	DU

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

	DUNTK9503DE02	–	Signal Unit	—
	DUNTK9505DE02	–	Output Unit	—
	DUNTK9504DE02	–	Infrared R/C Receiver Unit	—
	DUNTK9382DE06	–	LED Unit (XG-XV1E)	—
	DUNTK9382DE07	–	LED Unit (XG-XV1A)	—
	RUNTK0571CEZZ	–	AC-SW Unit	—
	CTANZ0706CE01	–	Video Board Unit (Only for Australia and NewZealand)	—
	CTANZ0705CE01	–	PC Terminal Unit	—
	CDENC0252CE01	–	Power/Ballast Unit	—
	CPCi-0023CE01	–	PC I/F Unit	—
	CPCi-0027CE01	–	PC I/F Sub 1 Unit	—
	CPCi-0028CE01	–	PC I/F Sub 2 Unit	—

DUNTK9503DE02
SIGNAL UNIT

INTEGRATED CIRCUITS

IC301	VHiNJM2245M-1	J	NJM2245M	AF
IC302	VHiNJM2245M-1	J	NJM2245M	AF
IC303	VHiTA8184F/-1	J	TA8184F	AN
IC401	VHiMC44144D-1	J	I.C.	AP
IC402	VHiMC44144D-1	J	I.C.	AP
IC403	VHiTC4W53F/-1	J	TC4W53F	AE
IC405	VHiNJ2233BM-1	J	NJM2233BM	AE
IC406	VHiBA7046F/-1	J	BA7046F	AF
IC407	VHiTHC221AF-1	J	TC74HC221AF	AG
IC408	VHiNJM2283F-1	J	NJM2283M	AF
IC410	VHiSNHC00NS-1	J	SN74HC00NS	AC
IC411	VHiTC7S08F/-1	J	TC7S08F	AC
IC412	VHiTC7S04F/-1	J	TC7S04F	AC
IC413	VHiNJM2245M-1	J	NJM2245M	AF
IC414	VHiMM1031XM-1	J	MM1031XMR	AF
IC415	VHi74HC153F-1	J	TC74HC153AF	AF
IC416	VHiM62352GP-1	J	M62352GP	AQ
IC417	VHiAD8013AR-1	J	AD8013AR-14	AV
IC601	RH-iX2174CEZZ	J	MC74HC4538FR	AG
IC602	RH-iX2174CEZZ	J	MC74HC4538FR	AG
IC603	RH-iX2174CEZZ	J	MC74HC4538FR	AG
IC604	VHi74HC153F-1	J	TC74HC153AF	AF
IC801	VHiTDA8375A-3	J	TDA8375AH/N3	BA
IC802	VHiTDA8395T-3	J	TDA8395T	AR
IC803	VHiTDA4565/-1	J	TDA4565/V6	AN
IC804	VHiTDA4665T-1	J	TDA4665T/V4	AN
IC805	VHiNJM2060M-1	J	NJM2060M	AE
IC806	VHiTC90A11F-1	J	TC90A11F	AZ
IC807	VHiM518221S-1	J	MSM518221-30JS	BA
IC808	VHiPST600DM-1	J	IC-PST600DMT	AE
IC811	VHiTA1226N/-1	J	TA1226N	AW

DUNTK9503DE02
SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
IC812	VHiLT1253CS-1	J	LT1253CS8	AT
IC815	VHiLMC7101B-1	J	I.C.	AH
IC816	VHiNJM2283F-1	J	NJM2283M	AF
IC1001	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1003	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1004	RH-iX2204CEZZ	J	PQ12TZ11	AG
IC1005	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1006	VHiTC7S08F/-1	J	TC7S08F	AC
IC1501	VHiAD8013AR-1	J	AD8013AR-14	AV
IC1502	VHiNJM2902M-1	J	NJM2902M	AF
IC1503	VHiNJM431E/-1	J	NJM431E-TE1	AF
IC1504	VHiM40C568H-1	J	MB40C568HPFV-G	AQ
IC1505	VHiM40C568H-1	J	MB40C568HPFV-G	AQ
IC1506	VHiM40C568H-1	J	MB40C568HPFV-G	AQ

TRANSISTORS

Q301	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q302	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q401	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q402	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q403	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q404	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q405	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q406	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q407	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q408	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q409	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q410	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q411	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q412	VS2SB1132Q/-1	J	2SB1132Q	AC
Q413	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q414	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q415	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q416	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q428	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q429	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q430	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q431	VSDTC124EK/-1	J	DTC124EK	AB
Q801	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q802	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q803	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q804	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q805	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q806	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q808	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q809	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q810	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q811	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q812	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q813	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q814	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q815	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q816	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q817	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q818	VS-DTC144EK/-1	J	DTC144EK	AB
Q903	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q905	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q906	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q907	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q910	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q911	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q912	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q913	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q914	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q915	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1501	VS2SC2735//-1	J	2SC2735	AB
Q1502	VS2SC2735//-1	J	2SC2735	AB
Q1503	VS2SC2735//-1	J	2SC2735	AB
Q1504	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1505	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q1506	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1507	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1508	VS2SC2412KQ-1	J	2SC2412KQ	AA

DIODES

D301	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D302	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D303	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D304	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D305	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D306	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D401	VHDDAN202K/-1	J	Diode DAN202K	AB
D402	VHDDAN202K/-1	J	Diode DAN202K	AB
D404	RH-EX0519CEZZ	J	Zener Diode 5.6V	AB
D405	VHDDAN202K/-1	J	Diode DAN202K	AB
D406	RH-EX0515CEZZ	J	Zener Diode 5.1V	AB
D407	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D408	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D410	VHDDAN202K/-1	J	Diode DAN202K	AB
D411	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D412	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D413	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D414	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D415	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D801	VHDMA152WA/-1	J	Diode MA152WA	AA
D902	VHDDAN202K/-1	J	Diode DAN202K	AB
D1002	VHDDAN202K/-1	J	Diode DAN202K	AB
D1003	VHDDAN202K/-1	J	Diode DAN202K	AB
D1004	VHDDAN202K/-1	J	Diode DAN202K	AB
D1005	VHDDAN202K/-1	J	Diode DAN202K	AB
D1006	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D1007	RH-EX0226CEZZ	J	Zener Diode 12V	AB

PACKAGED CIRCUITS

X401	RCRSB0089GEZZ	J	Crystal 17.73MHz	AG
X402	RCRSB0216CEZZ	J	Crystal 14.32MHz	AH
X801	RCRSB0009PEZZ	J	Crystal	AL
X802	RCRSB0008PEZZ	J	Crystal	AH

DUNTK9503DE02
SIGNAL UNIT (Continued)

COILS

Ref. No.	Part No.	★	Description		Code
L401	VP-1M220J2R9N	J	Peaking Coil	22µH	AC
L403	VP-1M100J1R6N	J	Peaking Coil	10µH	AC
L405	VP-1M100J1R6N	J	Peaking Coil	10µH	AC
L801	VP-1M8R2J1R5N	J	Peaking Coil	8.2µH	AC
L802	VP-1M330J4R2N	J	Peaking Coil	33µH	AC
L804	VP-1M390J4R9N	J	Peaking Coil	39µH	
L905	VP-1M270J3R8N	J	Peaking Coil	27µH	AC
L906	VP-1M330J4R2N	J	Peaking Coil	33µH	AC
L907	VP-1M330J4R2N	J	Peaking Coil	33µH	AC
L908	VP-1M220J2R9N	J	Peaking Coil	22µH	AC

CAPACITORS

Ref. No.	Part No.	★				Code
C301	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C303	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C304	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C305	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C306	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C307	VCE9PF1CW475M	J	4.7	16V	Elect. (N.P)	AC
C308	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C309	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C310	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C311	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C312	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C313	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C314	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C315	VCE9PF1CW475M	J	4.7	16V	Elect. (N.P)	AC
C316	VCFRED1HM822J	J	8200p	50V	Mylar	AD
C317	VCFYEC1CM334J	J	0.33	16V	Mylar	AE
C318	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C319	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C320	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C321	VCKYCY1CF154Z	J	0.15	16V	Ceramic	AB
C322	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C323	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C324	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C325	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C326	VCFYEC1CM334J	J	0.33	16V	Mylar	AE
C327	VCFRED1HM822J	J	8200p	50V	Mylar	AD
C328	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C329	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C330	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C331	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C332	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C401	VCCCCY1EH821J	J	820p	25V	Ceramic	AB
C402	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C403	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C404	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C405	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C406	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C407	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C408	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C409	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C410	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C411	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C412	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C413	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C414	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C415	VCKYCY1HF223Z	J	0.022	50V	Ceramic	AB
C416	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C418	VCE9PF1CW226M	J	22	16V	Elect. (N.P)	AD
C419	VCE9PF1CW226M	J	22	16V	Elect. (N.P)	AD
C420	VCE9PF1CW226M	J	22	16V	Elect. (N.P)	AD
C421	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C422	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C423	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C425	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C426	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C427	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C428	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C429	VCEAPF1HW106M	J	10	50V	Electrolytic	AB
C430	RC-EZ0363CEZZ	J	330	6.3V	Electrolytic	AC
C431	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C432	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C433	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C434	VCCCCY1HH680J	J	68p	50V	Ceramic	AA
C440	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C441	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C442	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C443	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C444	VCCCCY1HH471J	J	470p	50V	Ceramic	AA
C445	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C446	RTO-H0046TAZZ	J	Trimmer Capacitor			AD
C448	VCCCCY1HH471J	J	470p	50V	Ceramic	AA
C449	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C450	RTO-H0046TAZZ	J	Trimmer Capacitor			AD
C453	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C457	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C458	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C460	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C461	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C465	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C470	VCE9PF1CW226M	J	22	16V	Elect. (N.P)	AD
C471	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C472	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C474	VCE9PF1CW226M	J	22	16V	Elect. (N.P)	AD
C475	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C476	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C477	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C478	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C479	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C480	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C481	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C482	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C483	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C486	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C601	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C602	VCFRED1HM472J	J	4700p	50V	Mylar	AD
C603	VCFRED1HM222J	J	2200p	50V	Mylar	AC

DUNTK9503DE02
SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C604	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C605	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C606	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C607	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C608	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C609	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C610	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C611	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C612	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C613	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C621	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C623	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C801	VCCCCY1HH470J	J	47p	50V	Ceramic	AA
C802	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C803	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C804	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C805	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C806	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C807	VCKYTV1HF224Z	J	0.22	50V	Ceramic	AC
C808	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C809	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C810	VCCCCY1HH180J	J	18p	50V	Ceramic	AA
C811	VCCCCY1HH180J	J	18p	50V	Ceramic	AA
C812	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C814	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C815	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C816	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C817	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C818	VCFYEC1CM334J	J	0.33	16V	Mylar	AE
C819	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C820	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C821	VCFYEC1CM334J	J	0.33	16V	Mylar	AE
C822	VCCCCY1HH470J	J	47p	50V	Ceramic	AA
C823	VCCCCY1HH470J	J	47p	50V	Ceramic	AA
C824	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C825	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C826	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C827	VCE9PF1HW105M	J	1	50V	Elect. (N.P)	AC
C828	VCE9PF1HW105M	J	1	50V	Elect. (N.P)	AC
C829	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C830	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C831	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C832	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C833	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C834	VCFRED1HM472J	J	4700p	50V	Mylar	AD
C835	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C836	VCKYTV1HF224Z	J	0.22	50V	Ceramic	AC
C837	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C838	VCKYTV1HF224Z	J	0.22	50V	Ceramic	AC
C839	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C840	VCFYEC1CM223J	J	0.022	16V	Mylar	AC
C842	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C843	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C845	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C846	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C847	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C848	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C849	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C850	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C851	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C852	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C853	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C854	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C855	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C856	VCFYEC1CM274J	J	0.27	16V	Mylar	AE
C857	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C858	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C859	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C860	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C861	VCE9PF1HW105M	J	1	50V	Elect. (N.P)	AC
C862	VCCCCY1HH820J	J	82p	50V	Ceramic	AA
C863	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C864	VCE9PF1HW105M	J	1	50V	Elect. (N.P)	AC
C865	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C866	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C867	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C868	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C869	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C870	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C871	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C872	VCEAPF1HW106M	J	10	50V	Electrolytic	AB
C873	VCFYEC1CM274J	J	0.27	16V	Mylar	AE
C877	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C878	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C879	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C880	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C881	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C882	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C883	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C885	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C893	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C901	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C903	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C904	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C905	VCCCCY1HH360J	J	36p	50V	Ceramic	AA
C906	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C907	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C908	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C909	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C910	VCCCCY1HH181J	J	180p	50V	Ceramic	AA
C911	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C912	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C913	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C914	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C915	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C916	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C917	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C918	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C919	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA

DUNTK9503DE02
SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C920	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C921	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C923	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C924	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C925	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C926	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C927	VCCCCY1HH5R0C	J	5p	50V	Ceramic	AA
C930	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C931	VCCCCY1HH470J	J	47p	50V	Ceramic	AA
C932	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C933	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C934	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C935	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C936	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C937	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C938	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C939	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C940	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C941	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C943	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C944	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C945	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C946	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C947	VCEAPF1AW476M	J	47	10V	Electrolytic	AB
C948	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C949	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C954	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C955	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C956	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C957	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C958	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C959	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C960	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C961	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C967	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1002	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1003	VCCCCY1HH181J	J	180p	50V	Ceramic	AA
C1004	VCCCCY1HH181J	J	180p	50V	Ceramic	AA
C1005	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1006	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C1007	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1009	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C1010	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C1011	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1012	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1013	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C1501	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1502	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C1503	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1504	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1505	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1506	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1507	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1508	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1509	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1510	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1511	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1512	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1513	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1514	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1515	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1516	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1517	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1518	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1519	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1520	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1521	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1522	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1523	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1524	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1525	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1526	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1527	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1528	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1529	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1530	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1531	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1532	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1533	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1534	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1535	VCEAPF1CW106M	J	10	16V	Electrolytic	AB

RESISTORS

R301	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R302	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R303	VRS-CY1JF683J	J	68k	1/16W	Metal Oxide	AA
R304	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R305	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R307	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R308	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R309	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R310	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R311	VRS-CY1JF683J	J	68k	1/16W	Metal Oxide	AA
R312	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R313	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R315	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R316	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R317	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R318	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R319	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R320	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R321	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R322	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R323	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R324	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R325	VRS-TX2HF5R6J	J	5.6	1/2W	Metal Oxide	AA
R326	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R401	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R402	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA

DUNTK9503DE02
SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R403	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R404	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R405	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R408	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R410	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R411	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R412	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R413	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R414	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R415	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R416	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R417	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R418	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R419	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R420	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R421	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R422	VRS-CY1JF121J	J	120 1/16W Metal Oxide	AA
R423	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R424	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R425	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R426	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R427	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R428	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R429	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R430	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R431	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R432	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R436	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R437	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R438	VRS-CY1JF474J	J	470k 1/16W Metal Oxide	AA
R439	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R440	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R444	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R447	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R448	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R449	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R450	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R451	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R452	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R453	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R454	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R456	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R457	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R458	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R460	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R463	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R464	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R465	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R466	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R467	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R468	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R469	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R470	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R471	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R472	VRS-TX2HF331J	J	330 1/2W Metal Oxide	AB
R473	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R475	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R476	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R477	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R478	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R479	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R491	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R492	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R494	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R495	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R496	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R497	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R508	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R509	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R510	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R511	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R512	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R513	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R514	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R551	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R553	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R554	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R556	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R557	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R559	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R560	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R561	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R562	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R563	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R564	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R565	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R566	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R567	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R568	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R569	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R570	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R571	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R575	VRS-CY1JF683J	J	68k 1/16W Metal Oxide	AA
R576	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R580	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R584	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R601	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R602	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R603	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R604	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R605	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R606	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R607	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R608	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R609	VRN-CY1JF392D	J	3.9k 1/16W Metal Film	AA
R610	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R611	VRN-CY1JF153D	J	15k 1/16W Metal Film	AA
R612	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R613	VRN-CY1JF752D	J	7.5k 1/16W Metal Film	AA

DUNTK9503DE02
SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R614	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R615	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R616	VRN-CY1JF682D	J	6.8k 1/16W Metal Film	AB
R617	VRN-CY1JF103D	J	10k 1/16W Metal Film	AA
R619	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R620	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R621	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R622	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R623	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R624	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R625	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R626	VRN-CY1JF242D	J	2.4k 1/16W Metal Film	AB
R632	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R801	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R802	VRS-TX2HF100J	J	10 1/2W Metal Oxide	AA
R803	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R804	VRS-TX2HF100J	J	10 1/2W Metal Oxide	AA
R805	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R806	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R807	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R808	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R809	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R810	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R811	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R812	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R813	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R814	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R815	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
R816	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R817	VRS-TX2HF4R7J	J	4.7 1/2W Metal Oxide	AB
R818	VRS-CY1JF334J	J	330k 1/16W Metal Oxide	AA
R819	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R820	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R821	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R822	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R823	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R824	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R825	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R826	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R827	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R828	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R829	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R830	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R831	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R832	VRS-TX2HF4R7J	J	4.7 1/2W Metal Oxide	AB
R833	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R834	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R835	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R836	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R837	VRS-CY1JF564J	J	560k 1/16W Metal Oxide	AA
R838	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R839	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R840	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R841	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R842	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R843	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R844	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R845	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R846	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R847	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R848	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R849	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R850	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R851	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R852	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R853	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R854	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R855	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R856	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R857	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R858	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R859	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R862	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R863	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R865	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R866	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R867	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R868	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R869	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R870	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R871	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R872	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R873	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R874	VRS-CY1JF683J	J	68k 1/16W Metal Oxide	AA
R875	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R876	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R877	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R878	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R879	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R880	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R881	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R882	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R883	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R884	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R885	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R886	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R887	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R888	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R889	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R890	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R891	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R892	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R893	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R894	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R895	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R899	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R903	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R905	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R906	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA

DUNTK9503DE02
SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R907	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R908	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R909	VRN-CY1JF102D	J	1k	1/16W	Metal Film	AB
R910	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R911	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R912	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R913	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R914	VRS-CY1JF821J	J	820	1/16W	Metal Oxide	AA
R915	VRN-CY1JF332D	J	3.3k	1/16W	Metal Film	AA
R916	VRN-CY1JF332D	J	3.3k	1/16W	Metal Film	AA
R917	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R918	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R919	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R920	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R922	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R923	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R924	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R925	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R926	VRS-CY1JF823J	J	82k	1/16W	Metal Oxide	AA
R927	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R928	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R929	VRS-CY1JF561J	J	560	1/16W	Metal Oxide	AA
R930	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R931	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R932	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R933	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R934	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R935	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R936	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R937	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R938	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R939	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R940	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R941	VRS-CY1JF274J	J	270k	1/16W	Metal Oxide	AA
R942	VRS-CY1JF274J	J	270k	1/16W	Metal Oxide	AA
R944	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R945	VRS-CY1JF472F	J	4.7k	1/16W	Metal Oxide	AA
R946	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R947	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R948	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R949	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R950	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R951	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R952	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R953	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R954	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R955	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R956	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R957	VRS-CY1JF154J	J	150k	1/16W	Metal Oxide	AA
R958	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R964	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R984	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R985	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R986	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R987	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1002	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1003	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1004	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1005	VRS-TX2HF5R6J	J	5.6	1/2W	Metal Oxide	AA
R1006	VRS-TX2HF5R6J	J	5.6	1/2W	Metal Oxide	AA
R1007	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R1008	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1009	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1010	VRS-TX2HF1R0J	J	1	1/2W	Metal Oxide	AA
R1011	VRS-TX2HF1R0J	J	1	1/2W	Metal Oxide	AA
R1012	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1013	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R1501	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1502	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1503	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R1504	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1505	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1506	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R1507	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1508	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1509	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R1510	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1511	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1512	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R1513	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1529	VRS-CY1JF512F	J	5.1k	1/16W	Metal Oxide	AA
R1530	VRS-CY1JF102F	J	1k	1/16W	Metal Oxide	AA
R1531	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R1532	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R1533	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1534	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1535	VRS-CY1JF680J	J	68	1/16W	Metal Oxide	AA
R1536	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R1537	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1538	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1539	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1540	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1541	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1542	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1543	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1544	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1545	VRS-CY1JF680J	J	68	1/16W	Metal Oxide	AA
R1546	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R1547	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1548	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1549	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1550	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1551	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1552	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1553	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1554	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1555	VRS-CY1JF680J	J	68	1/16W	Metal Oxide	AA
R1556	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R1557	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code

DUNTK9503DE02
SIGNAL UNIT (Continued)

R1558	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1559	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1560	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1561	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1562	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1563	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1564	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R1565	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1566	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1567	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1568	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1802	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R1803	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1804	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1805	VRS-CY1JF102F	J	1k	1/16W	Metal Oxide	AA
R1806	VRS-CY1JF102F	J	1k	1/16W	Metal Oxide	AA
R1807	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R1808	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R1809	VRS-CY1JF821J	J	820	1/16W	Metal Oxide	AA
R1810	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R1811	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R1812	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R1813	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1814	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R1818	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

FB301	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB302	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB303	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB401	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB402	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB403	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB404	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB405	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB901	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB902	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB903	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB904	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB1001	RBLN-0060CEZZ	J	Ferrite Bead	AC
FB1002	RBLN-0060CEZZ	J	Ferrite Bead	AC
FB1003	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB1004	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB1005	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB1501	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1502	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1503	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1504	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1505	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1507	RBLN-0059CEZZ	J	Ferrite Bead	AB
J301	QJAKJ0063CEZZ	J	Jack, Computer Audo In	AF
J1001	QJAKE0174CEZZ	J	Jack	AK
J1002	QJAKJ0063CEZZ	J	Jack, Wdred R/C Input	AF

Ref. No.	Part No.	★	Description	Code
P401	QPLGZ3044CEZZ	J	Plug 30-Pin (TN)	AH
P402	QPLGZ3044CEZZ	J	Plug 30-Pin (VS)	AH
P801	QPLGN0864TAZZ	J	Plug 8-Pin	AD
P1001	QPLGN0174FJZZ	J	Plug 2-Pin (EC)	AC
P1501	QPLGZ7053CEZZ	J	Plug 70-Pin	AR
P1503	QPLGN1062CEZZ	J	Plug 10-Pin	AC
SC401	QSOCN0314FJZZ	J	Socket 3-Pin (R)	AD
SC402	QSOCN0314FJZZ	J	Socket 3-Pin (G)	AD
SC403	QSOCN0314FJZZ	J	Socket 3-Pin (B)	AD
TP401	QLUGP0110TAFW	J	Lug	AA

Ref. No.	Part No.	★	Description	Code

DUNTK9505DE02
OUTPUT UNIT

INTEGRATED CIRCUITS

IC1101	VHiLT1253CS-1	J	LT1253CS8	AT
IC1102	VHiLT1253CS-1	J	LT1253CS8	AT
IC1103	VHiNJM2904M-1	J	NJM2904M	AE
IC1104	VHiTC4053BF-1	J	TC4053BF	AG
IC1105	VHiTC4053BF-1	J	TC4053BF	AG
IC1106	RH-iX3102CEZZ	J	I.C.	AZ
IC1109	VHiLM1204V/-1	J	LM1204V	AY
IC1110	VHiCXA2504N-1	J	CXA2504N	AZ
IC1111	VHiCXA2504N-1	J	CXA2504N	AZ
IC1112	VHiTC4053BF-1	J	TC4053BF	AG
IC1113	VHiLM6182iM-1	J	LM6182IM	AT
IC1114	VHiNJM431E/-1	J	NJM431E-TE1	AF
IC1115	VHiNJU4053V-1	J	NJU4053	AF
IC1201	VHiLT1253CS-1	J	LT1253CS8	AT
IC1202	VHiLT1253CS-1	J	LT1253CS8	AT
IC1203	VHiNJM2904M-1	J	NJM2904M	AE
IC1204	VHiTC4053BF-1	J	TC4053BF	AG
IC1205	VHiTC4053BF-1	J	TC4053BF	AG
IC1206	RH-iX3102CEZZ	J	I.C.	AZ
IC1209	VHiLM1204V/-1	J	LM1204V	AY
IC1210	VHiCXA2504N-1	J	CXA2504N	AZ
IC1211	VHiCXA2504N-1	J	CXA2504N	AZ
IC1212	VHiTC4053BF-1	J	TC4053BF	AG
IC1213	VHiLM6182iM-1	J	LM6182IM	AT
IC1214	VHiNJM431E/-1	J	NJM431E-TE1	AF
IC1215	VHiNJU4053V-1	J	NJU4053	AF
IC1301	VHiLT1253CS-1	J	LT1253CS8	AT
IC1302	VHiLT1253CS-1	J	LT1253CS8	AT
IC1303	VHiNJM2904M-1	J	NJM2904M	AE
IC1304	VHiTC4053BF-1	J	TC4053BF	AG
IC1305	VHiTC4053BF-1	J	TC4053BF	AG
IC1306	RH-iX3102CEZZ	J	I.C.	AZ
IC1309	VHiLM1204V/-1	J	LM1204V	AY
IC1310	VHiCXA2504N-1	J	CXA2504N	AZ
IC1311	VHiCXA2504N-1	J	CXA2504N	AZ
IC1312	VHiTC4053BF-1	J	TC4053BF	AG
IC1313	VHiLM6182iM-1	J	Lm6182Im	AT
IC1314	VHiNJM431E/-1	J	NJM431E-TE1	AF
IC1315	VHiNJU4053V-1	J	NJU4053	AF
IC1401	VHiNJM2060M-1	J	NJM2060M	AE
IC1402	VHiTHC221AF-1	J	TC74HC221AF	AG
IC1403	VHiLM4040C/-1	J	LM4040CIM3X4.1	AM
IC1404	VHiM62352GP-1	J	M62352GP	AQ
IC1405	VHiM62352GP-1	J	M62352GP	AQ
IC1406	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC1407	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC1408	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC5001	RH-iX2961CEZZ	J	HD641180XF6	BB
IC5002	RH-iX2967CEZZ	J	TE7752	AW
IC5004	VHiM51957BF-1	J	M51957BFP-600C	AE
IC5005	RH-iX1433CEZZ	J	TC74HC32AF	AD
IC5006	VHiSNHC00NS-1	J	SN74HC00NS	AC
IC5008	RH-iX2963CEZZ	J	X24645S8T2	AX
IC5011	VHiTC35093/-1	J	TC35093FS	AQ
IC5012	VHiNJM2902M-1	J	NJM2902M	AF
IC5013	VHiNJM2902M-1	J	NJM2902M	AF
IC5014	VHiTC7W32F/-1	J	TC7W32F	AE
IC5015	VHiTC7W14F/-1	J	TC7W14F	AD
IC5016	VHiTC7W74F/-1	J	TC7W74F	AE
IC5017	VHiMB3773//-1	J	MB3773PF-G-BND	AK
IC5018	VHiTC7W74F/-1	J	TC7W74F	AE
IC5019	VHiTCLCX245-1	J	I.C.	AH
IC5020	RH-iX3090CEZZ	J	I.C.	BC
IC5021	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC5025	VHiTC7W04F/-1	J	TC7W04F	AD
IC5026	RH-iX2174CEZZ	J	MC74HC4538FR	AG
IC5027	RH-iX1969CEZZ	J	SN74HC08NS	AC
IC5028	RH-iX1970CEZZ	J	SN74HC32NS	AC
IC5029	VHiTC7W04F/-1	J	TC7W04F	AD
IC5030	VHiTC7W08F/-1	J	TC7W08F	AD
IC5031	VHiTC7W32F/-1	J	TC7W32F	AE
IC5502	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC5503	VHiPQ05SZ51-1	J	PQ05SZ51	AG
IC5504	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC5505	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC5506	VHiTC4S66F/-1	J	TC4S66F	AD
IC5507	RH-iX2204CEZZ	J	PQ12TZ11	AG
IC5508	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC5509	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC5510	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC5512	VHiLB1831M/-1	J	LB1831M	AN
IC5513	VHiTA7279P/-1	J	TA7279P	AP
IC5514	VHiPQ20VZ11-1	J	PQ20VZ11	AH

TRANSISTORS

Q1101	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1102	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1103	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1105	VS2SA1036KR-1	J	2SA1036KR	AC
Q1106	VS2SC2411KR-1	J	2SC2411KR	AC
Q1109	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1110	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1111	VS2SA1036KR-1	J	2SA1036KR	AC
Q1112	VS2SC2411KR-1	J	2SC2411KR	AC
Q1113	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1114	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1115	VS2SA1462//-1	J	2SA1462	AC
Q1116	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q1117	VS2SA1462//-1	J	2SA1462	AC
Q1118	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q1119	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1120	VSDTC144EU/-1	J	DTC144EU	AB
Q1201	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1202	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1203	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1205	VS2SA1036KR-1	J	2SA1036KR	AC
Q1206	VS2SC2411KR-1	J	2SC2411KR	AC

DUNTK9505DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
Q1209	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1210	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1211	VS2SA1036KR-1	J	2SA1036KR	AC
Q1212	VS2SC2411KR-1	J	2SC2411KR	AC
Q1213	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1214	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1215	VS2SA1462//-1	J	2SA1462	AC
Q1216	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q1217	VS2SA1462//-1	J	2SA1462	AC
Q1218	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q1219	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1220	VSDTC144EU/-1	J	DTC144EU	AB
Q1301	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1302	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1303	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1305	VS2SA1036KR-1	J	2SA1036KR	AC
Q1306	VS2SC2411KR-1	J	2SC2411KR	AC
Q1309	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1310	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1311	VS2SA1036KR-1	J	2SA1036KR	AC
Q1312	VS2SC2411KR-1	J	2SC2411KR	AC
Q1313	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1314	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1315	VS2SA1462//-1	J	2SA1462	AC
Q1316	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q1317	VS2SA1462//-1	J	2SA1462	AC
Q1318	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q1319	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1320	VSDTC144EU/-1	J	DTC144EU	AB
Q1401	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5001	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5002	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5003	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5004	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5005	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5006	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5007	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5008	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5010	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5011	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5012	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5013	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5501	VS2SD1664R/-1	J	2SD1664R	AC
Q5502	VS2SD1664R/-1	J	2SD1664R	AC
Q5505	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5506	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5512	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5513	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5514	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5515	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5516	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5518	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5526	VSDTC114EU/-1	J	DTC114EU	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D1101	VHDDAN202K/-1	J	Diode DAN202K	AB
D1102	VHDDAN202K/-1	J	Diode DAN202K	AB
D1103	VHDDAN202K/-1	J	Diode DAN202K	AB
D1104	VHDDAN202K/-1	J	Diode DAN202K	AB
D1105	VHDDAN202K/-1	J	Diode DAN202K	AB
D1107	VHDDAN202K/-1	J	Diode DAN202K	AB
D1108	VHDDAN202K/-1	J	Diode DAN202K	AB
D1201	VHDDAN202K/-1	J	Diode DAN202K	AB
D1202	VHDDAN202K/-1	J	Diode DAN202K	AB
D1203	VHDDAN202K/-1	J	Diode DAN202K	AB
D1204	VHDDAN202K/-1	J	Diode DAN202K	AB
D1205	VHDDAN202K/-1	J	Diode DAN202K	AB
D1207	VHDDAN202K/-1	J	Diode DAN202K	AB
D1208	VHDDAN202K/-1	J	Diode DAN202K	AB
D1301	VHDDAN202K/-1	J	Diode DAN202K	AB
D1302	VHDDAN202K/-1	J	Diode DAN202K	AB
D1303	VHDDAN202K/-1	J	Diode DAN202K	AB
D1304	VHDDAN202K/-1	J	Diode DAN202K	AB
D1306	VHDDAN202K/-1	J	Diode DAN202K	AB
D1307	VHDDAN202K/-1	J	Diode DAN202K	AB
D1308	VHDDAN202K/-1	J	Diode DAN202K	AB
D5001	VHDMA152WA/-1	J	Diode MA152WA	AA
D5002	VHDMA152WA/-1	J	Diode MA152WA	AA
D5003	VHDMA152WA/-1	J	Diode MA152WA	AA
D5004	VHDMA152WA/-1	J	Diode MA152WA	AA
D5005	VHDMA153///-1	J	Diode MA153	AB
D5006	VHDMA153///-1	J	Diode MA153	AB
D5007	VHDMA153///-1	J	Diode MA153	AB
D5008	VHDMA153///-1	J	Diode MA153	AB
D5009	VHDDAN202K/-1	J	Diode DAN202K	AB
D5010	VHDDAN202K/-1	J	Diode DAN202K	AB
D5011	VHDDAN202K/-1	J	Diode DAN202K	AB
D5012	VHDDAN202K/-1	J	Diode DAN202K	AB
D5013	VHDMA153///-1	J	Diode MA153	AB
D5014	VHDMA153///-1	J	Diode MA153	AB
D5015	VHDMA153///-1	J	Diode MA153	AB
D5016	VHDMA153///-1	J	Diode MA153	AB
D5017	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D5018	RH-EX0226CEZZ	J	Zener Diode 12V	AB
D5019	VHDDAN202K/-1	J	Diode DAN202K	AB
D5020	VHDDAN202K/-1	J	Diode DAN202K	AB
D5021	VHDDAN202K/-1	J	Diode DAN202K	AB
D5022	VHDDAN202K/-1	J	Diode DAN202K	AB
D5502	VHDDAN202K/-1	J	Diode DAN202K	AB
D5503	VHDDAN202K/-1	J	Diode DAN202K	AB
D5504	VHDDAN202K/-1	J	Diode DAN202K	AB
D5505	VHDDAN202K/-1	J	Diode DAN202K	AB
D5506	VHDDAN202K/-1	J	Diode DAN202K	AB
D5507	VHDDAN202K/-1	J	Diode DAN202K	AB
D5509	VHDDAN202K/-1	J	Diode DAN202K	AB
D5510	VHDDAN202K/-1	J	Diode DAN202K	AB
D5512	VHDDAN202K/-1	J	Diode DAN202K	AB
D5513	VHDDAN202K/-1	J	Diode DAN202K	AB
D5514	RH-EX0516CEZZ	J	Zener Diode 5.1V	AB
D5515	VHDDAN202K/-1	J	Diode DAN202K	AB

DUNTK9505DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
D5517	VHDDAN202K/-1	J	Diode DAN202K	AB
D5518	VHDDAN202K/-1	J	Diode DAN202K	AB
D5519	VHDDAN202K/-1	J	Diode DAN202K	AB

PACKAGED CIRCUIT

X5001	RCRSZ0054CEZZ	J	Crystal	AH

COILS AND FILTERS

FL5501	RFiLN0097GEZZ	J	Filter	AF
FL5502	RFiLN0097GEZZ	J	Filter	AF
FL5503	RFiLN0097GEZZ	J	Filter	AF
FL5504	RFiLN0097GEZZ	J	Filter	AF
FL5505	RFiLN0097GEZZ	J	Filter	AF
FL5506	RFiLN0097GEZZ	J	Filter	AF
FL5507	RFiLN0097GEZZ	J	Filter	AF
L1101	VP-1M100J1R6N	J	Peaking Coil 10µH	AC
L1102	VP-1M100J1R6N	J	Peaking Coil 10µH	AC
L1201	VP-1M100J1R6N	J	Peaking Coil 10µH	AC
L1202	VP-1M100J1R6N	J	Peaking Coil 10µH	AC
L1301	VP-1M100J1R6N	J	Peaking Coil 10µH	AC
L1302	VP-1M100J1R6N	J	Peaking Coil 10µH	AC
L5502	RCiLP0168TAZZ	J	Coil 22µH	AF

CAPACITORS

C1101	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C1102	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1103	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1104	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1105	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1106	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1107	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1108	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1109	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1110	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1111	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1112	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1113	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1114	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1115	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1116	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1117	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1118	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1119	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1120	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1121	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1122	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1123	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1124	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1125	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1126	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1127	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1128	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C1129	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1130	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1131	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1132	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1133	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1134	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1135	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1136	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1138	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1139	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1141	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1142	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1143	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1144	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1145	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1146	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1150	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1155	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1158	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C1159	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1160	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1161	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1162	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1163	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1164	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1165	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1166	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1167	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1168	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1169	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1170	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1171	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1172	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1173	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1174	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1175	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1176	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1177	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1178	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1179	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1180	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1181	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1182	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1183	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1184	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1185	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1186	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1187	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1188	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1189	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1190	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1191	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1192	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1193	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1194	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C1195	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C1196	VCCCCY1HH120J	J	12p	50V	Ceramic	AA

DUNTK9505DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
C1197	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1198	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1201	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C1202	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1203	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1204	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1205	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1206	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1207	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1208	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1209	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1210	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1211	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1212	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1213	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1214	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1215	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1216	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1217	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1218	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1219	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1220	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1221	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1222	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1223	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1224	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1225	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1226	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1227	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1228	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C1229	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1230	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1231	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1232	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1233	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1234	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1235	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1236	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1238	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1239	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1241	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1242	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1243	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1244	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1245	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1248	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1250	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1255	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1258	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C1259	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1260	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1261	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1262	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1263	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1264	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1265	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1266	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1267	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1268	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1269	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1270	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1271	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1272	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1273	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1274	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1275	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1276	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1277	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1278	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1279	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1280	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1281	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1282	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1283	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1284	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1285	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1286	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1287	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1288	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1289	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1290	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1291	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1292	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C1293	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1294	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C1295	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C1296	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C1297	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1298	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1301	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C1302	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1303	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1304	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1305	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1306	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1307	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1308	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1309	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1310	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1311	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1312	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1313	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1314	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1315	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1316	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1317	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1318	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1319	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1320	VCKYCY1AF105Z	J	1	10V	Ceramic	AC

DUNTK9505DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
C1321	VCKYCY1AF105Z	J	1	10V	Ceramic	AC
C1322	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1323	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1324	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1325	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1326	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1327	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1328	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C1329	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1330	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1331	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1332	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1333	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1334	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1335	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1336	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1338	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1339	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1341	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1342	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1343	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1344	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1345	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1346	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1350	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1355	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1358	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C1359	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1360	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1361	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1362	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1363	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1364	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1365	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1366	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1367	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1368	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1369	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1370	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1371	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1372	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1373	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1374	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1375	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1376	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1377	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1378	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1379	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1380	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1381	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1382	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1383	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1384	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1385	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1386	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1387	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1388	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1389	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1390	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1391	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1392	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C1393	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1394	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C1395	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C1396	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C1397	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1398	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1401	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1402	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1403	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C1404	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1405	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1406	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1407	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1408	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1409	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1410	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1411	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1412	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1413	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C1414	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1415	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1416	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1417	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C2101	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2102	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2103	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2104	VCCCCY1HH560J	J	56p	50V	Ceramic	AA
C2105	VCCCCY1HH560J	J	56p	50V	Ceramic	AA
C2106	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C2107	VCCCPA1HH150J	J	15p	50V	Ceramic	AA
C2108	VCCCPA1HH150J	J	15p	50V	Ceramic	AA
C2204	VCCCCY1HH560J	J	56p	50V	Ceramic	AA
C2205	VCCCCY1HH560J	J	56p	50V	Ceramic	AA
C2206	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C2207	VCCCPA1HH150J	J	15p	50V	Ceramic	AA
C2208	VCCCPA1HH150J	J	15p	50V	Ceramic	AA
C2304	VCCCCY1HH560J	J	56p	50V	Ceramic	AA
C2305	VCCCCY1HH560J	J	56p	50V	Ceramic	AA
C2306	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C2307	VCCCPA1HH150J	J	15p	50V	Ceramic	AA
C2308	VCCCPA1HH150J	J	15p	50V	Ceramic	AA
C5001	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C5002	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5004	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5005	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C5006	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C5007	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA

DUNTK9505DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C5008	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5010	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5011	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5012	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5013	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5014	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5018	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5019	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5022	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C5025	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5026	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5028	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5032	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5033	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5034	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5035	VCKYCY1HB682K	J	6800p	50V	Ceramic	AA
C5036	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5037	VCKYCY1HB682K	J	6800p	50V	Ceramic	AA
C5038	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5039	VCKYCY1CF154Z	J	0.15	16V	Ceramic	AB
C5040	VCKYCY1CF154Z	J	0.15	16V	Ceramic	AB
C5041	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5042	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5043	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C5044	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5050	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5051	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5052	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C5053	VCSAPD1CJ105M	J	1	16V	Tantalum	AC
C5054	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C5056	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C5057	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5058	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5059	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5060	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C5061	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C5062	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C5063	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C5163	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C5164	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C5165	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C5505	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5506	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5507	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5508	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5509	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5510	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5511	VCEAPX1EW107M	J	100	25V	Electrolytic	
C5512	VCEAPK1CN107M	J	100	16V	Electrolytic	AD
C5513	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C5514	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5515	VCEAPK1CN107M	J	100	16V	Electrolytic	AD
C5516	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5517	VCEAPX1CW227M	J	220	16V	Electrolytic	AD
C5521	VCEAEA1EW226M	J	22	25V	Electrolytic	AB
C5522	VCEAPF1EW226M	J	22	25V	Electrolytic	AB
C5524	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5525	VCEAPF1EW226M	J	22	25V	Electrolytic	AB
C5526	VCEAPF1EW226M	J	22	25V	Electrolytic	AB
C5528	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5529	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5530	VCEAPX1CW227M	J	220	16V	Electrolytic	AD
C5531	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5533	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5534	VCEAPF1EW226M	J	22	25V	Electrolytic	AB
C5535	VCEAPX1CW227M	J	220	16V	Electrolytic	AD
C5536	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5537	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5538	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5539	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5540	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5541	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5542	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5543	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5544	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5545	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5546	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5547	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5548	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5549	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5550	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5551	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5552	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5553	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5554	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5555	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5556	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5557	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5558	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5559	VCEAPX1CW227M	J	220	16V	Electrolytic	AD
C5562	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5563	VCEAPX1CW227M	J	220	16V	Electrolytic	AD
C5564	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5566	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5567	VCEAPF1EW226M	J	22	25V	Electrolytic	AB
C5568	VCEAPF1EW226M	J	22	25V	Electrolytic	AB
C5569	VCEAPF1CW107M	J	100	16V	Electrolytic	AD

RESISTORS

R1101	VRS-CY1JF394J	J	390k	1/16W	Metal Oxide	AA
R1102	VRS-CY1JF394J	J	390k	1/16W	Metal Oxide	AA
R1103	VRS-CY1JF394J	J	390k	1/16W	Metal Oxide	AA
R1104	VRS-CY1JF394J	J	390k	1/16W	Metal Oxide	AA
R1105	VRS-CY1JF394J	J	390k	1/16W	Metal Oxide	AA
R1106	VRS-CY1JF394J	J	390k	1/16W	Metal Oxide	AA
R1107	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R1108	VRS-CY1JF394J	J	390k	1/16W	Metal Oxide	AA
R1109	VRS-CY1JF394J	J	390k	1/16W	Metal Oxide	AA
R1110	VRS-CY1JF394J	J	390k	1/16W	Metal Oxide	AA

DUNTK9505DE02

OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R1111	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1112	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1113	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1114	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1115	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1116	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1117	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1118	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1119	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1120	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1121	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1122	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1123	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1124	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1125	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1126	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1127	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1128	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1129	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1130	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1131	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1133	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1134	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1135	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R1136	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R1137	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R1138	VRS-CY1JF102F	J	1k 1/16W Metal Oxide	AA
R1139	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1140	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1141	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1142	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1143	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1144	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1145	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1146	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1172	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1173	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1174	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1175	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1176	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1177	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1179	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1183	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1184	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1185	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R1186	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1188	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1199	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R1201	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1202	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1203	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1204	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1205	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1206	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1207	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1208	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1209	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1210	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1211	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1212	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1213	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1214	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1215	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1216	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1217	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1218	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1219	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1220	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1221	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1222	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1223	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1224	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1225	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1226	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1227	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1228	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1229	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1230	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1231	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1233	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1234	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1235	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R1236	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R1237	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R1238	VRS-CY1JF102F	J	1k 1/16W Metal Oxide	AA
R1239	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1240	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1241	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1242	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1243	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1244	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1245	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1246	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1272	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1273	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1274	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1275	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1276	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1277	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1279	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1283	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1284	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1285	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R1286	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1288	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1299	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R1301	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1302	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1303	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA

DUNTK9505DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R1304	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1305	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1306	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1307	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1308	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1309	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1310	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1311	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1312	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1313	VRS-CY1JF394J	J	390k 1/16W Metal Oxide	AA
R1314	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1315	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1316	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1317	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1318	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1319	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1320	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1321	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1322	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1323	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1324	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1325	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1326	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1327	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1328	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1329	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1330	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1331	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1333	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1334	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1335	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R1336	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R1337	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R1338	VRS-CY1JF102F	J	1k 1/16W Metal Oxide	AA
R1339	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1340	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1341	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1342	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1343	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1344	VRN-TV1JD102B	J	1k 1/16W Metal Film	AD
R1345	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1346	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1372	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1373	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1374	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1375	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1376	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1377	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1379	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1383	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1384	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1385	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R1386	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1388	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1399	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R1401	VRS-CY1JF391F	J	390 1/16W Metal Oxide	AA
R1402	VRS-CY1JF182F	J	1.8k 1/16W Metal Oxide	AA
R1403	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1404	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1405	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R1406	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1407	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1408	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1409	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1410	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1411	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1412	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1413	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1414	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1432	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1433	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1434	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1435	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1436	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1463	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1464	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1465	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1466	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1467	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1468	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1481	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1486	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1487	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1488	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1489	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1490	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1491	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2101	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R2102	VRS-CY1JF221F	J	220 1/16W Metal Oxide	AA
R2103	VRS-CY1JF221F	J	220 1/16W Metal Oxide	AA
R2104	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2105	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2106	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2107	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2108	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2109	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R2110	VRS-CY1JF221F	J	220 1/16W Metal Oxide	AA
R2111	VRS-CY1JF221F	J	220 1/16W Metal Oxide	AA
R2112	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2113	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R2114	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R2115	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R2116	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R2117	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2118	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R2119	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2120	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2121	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R2122	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA

DUNTK9505DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★		Description	Code
R2123	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2124	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2125	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2126	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2127	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2128	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2129	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2130	VRS-CY1JF104J	J	100k	1/16W Metal Oxide	AA
R2131	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2132	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2133	VRS-CY1JF223J	J	22k	1/16W Metal Oxide	AA
R2134	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2136	VRS-CY1JF821F	J	820	1/16W Metal Oxide	AA
R2137	VRS-CY1JF391J	J	390	1/16W Metal Oxide	AA
R2138	VRS-CY1JF222F	J	2.2k	1/16W Metal Oxide	AA
R2139	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2140	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2141	VRS-CY1JF470J	J	47	1/16W Metal Oxide	AA
R2142	VRS-CY1JF470J	J	47	1/16W Metal Oxide	AA
R2143	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2144	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2145	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R2146	VRS-CY1JF183F	J	18k	1/16W Metal Oxide	AA
R2147	VRS-CY1JF103F	J	10k	1/16W Metal Oxide	AA
R2148	VRS-CY1JF273J	J	27k	1/16W Metal Oxide	AA
R2149	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2150	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R2151	VRS-CY1JF183J	J	18k	1/16W Metal Oxide	AA
R2152	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R2153	VRS-CY1JF821F	J	820	1/16W Metal Oxide	AA
R2154	VRS-CY1JF912F	J	9.1k	1/16W Metal Oxide	AA
R2155	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2156	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2157	VRS-CY1JF122J	J	1.2k	1/16W Metal Oxide	AA
R2158	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2159	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2160	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2161	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2162	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2163	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2164	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2165	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2166	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2167	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2168	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2169	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2171	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2172	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2173	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2174	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2175	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2176	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2177	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2178	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2179	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2183	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2184	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2185	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2186	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2187	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2188	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2189	VRS-CY1JF181J	J	180	1/16W Metal Oxide	AA
R2190	VRS-CY1JF181J	J	180	1/16W Metal Oxide	AA
R2191	VRS-CY1JF181J	J	180	1/16W Metal Oxide	AA
R2192	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2193	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2194	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2195	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2196	VRS-CY1JF563J	J	56k	1/16W Metal Oxide	AA
R2197	VRS-CY1JF121J	J	120	1/16W Metal Oxide	AA
R2198	VRS-CY1JF121J	J	120	1/16W Metal Oxide	AA
R2199	VRS-CY1JF563J	J	56k	1/16W Metal Oxide	AA
R2201	VRS-CY1JF3R3J	J	3.3	1/16W Metal Oxide	AA
R2202	VRS-CY1JF221F	J	220	1/16W Metal Oxide	AA
R2203	VRS-CY1JF221F	J	220	1/16W Metal Oxide	AA
R2204	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2205	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R2206	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2207	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R2208	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R2209	VRS-CY1JF392J	J	3.9k	1/16W Metal Oxide	AA
R2210	VRS-CY1JF221F	J	220	1/16W Metal Oxide	AA
R2211	VRS-CY1JF221F	J	220	1/16W Metal Oxide	AA
R2212	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2213	VRS-CY1JF562J	J	5.6k	1/16W Metal Oxide	AA
R2214	VRS-CY1JF562J	J	5.6k	1/16W Metal Oxide	AA
R2215	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2216	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2217	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2218	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2219	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2220	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2221	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2222	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2223	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2224	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2225	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2226	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2227	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2228	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2229	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2230	VRS-CY1JF104J	J	100k	1/16W Metal Oxide	AA
R2231	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2232	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2233	VRS-CY1JF223J	J	22k	1/16W Metal Oxide	AA
R2234	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2236	VRS-CY1JF821F	J	820	1/16W Metal Oxide	AA
R2237	VRS-CY1JF391J	J	390	1/16W Metal Oxide	AA
R2238	VRS-CY1JF222F	J	2.2k	1/16W Metal Oxide	AA

DUNTK9505DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★		Description	Code
R2239	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2240	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2241	VRS-CY1JF470J	J	47	1/16W Metal Oxide	AA
R2242	VRS-CY1JF470J	J	47	1/16W Metal Oxide	AA
R2243	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2244	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2245	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R2246	VRS-CY1JF183F	J	18k	1/16W Metal Oxide	AA
R2247	VRS-CY1JF103F	J	10k	1/16W Metal Oxide	AA
R2248	VRS-CY1JF273J	J	27k	1/16W Metal Oxide	AA
R2249	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2250	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R2251	VRS-CY1JF183J	J	18k	1/16W Metal Oxide	AA
R2252	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R2253	VRS-CY1JF821F	J	820	1/16W Metal Oxide	AA
R2254	VRS-CY1JF912F	J	9.1k	1/16W Metal Oxide	AA
R2255	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2256	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2257	VRS-CY1JF122J	J	1.2k	1/16W Metal Oxide	AA
R2258	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2259	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2260	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2261	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2262	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2263	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2264	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2265	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2266	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2267	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2268	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2269	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2271	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2272	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2273	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2274	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2275	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2276	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2277	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2278	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2279	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2283	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2284	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2285	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2286	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2287	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2288	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2289	VRS-CY1JF181J	J	180	1/16W Metal Oxide	AA
R2290	VRS-CY1JF181J	J	180	1/16W Metal Oxide	AA
R2291	VRS-CY1JF181J	J	180	1/16W Metal Oxide	AA
R2292	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2293	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2294	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2295	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2296	VRS-CY1JF563J	J	56k	1/16W Metal Oxide	AA
R2297	VRS-CY1JF121J	J	120	1/16W Metal Oxide	AA
R2298	VRS-CY1JF121J	J	120	1/16W Metal Oxide	AA
R2299	VRS-CY1JF563J	J	56k	1/16W Metal Oxide	AA
R2301	VRS-CY1JF3R3J	J	3.3	1/16W Metal Oxide	AA
R2302	VRS-CY1JF221F	J	220	1/16W Metal Oxide	AA
R2303	VRS-CY1JF221F	J	220	1/16W Metal Oxide	AA
R2304	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2305	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R2306	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2307	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R2308	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R2309	VRS-CY1JF392J	J	3.9k	1/16W Metal Oxide	AA
R2310	VRS-CY1JF221F	J	220	1/16W Metal Oxide	AA
R2311	VRS-CY1JF221F	J	220	1/16W Metal Oxide	AA
R2312	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2313	VRS-CY1JF562J	J	5.6k	1/16W Metal Oxide	AA
R2314	VRS-CY1JF562J	J	5.6k	1/16W Metal Oxide	AA
R2315	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2316	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R2317	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2318	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2319	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2320	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2321	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2322	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2323	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2324	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2325	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2326	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R2327	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R2328	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2329	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2330	VRS-CY1JF104J	J	100k	1/16W Metal Oxide	AA
R2331	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2332	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2333	VRS-CY1JF223J	J	22k	1/16W Metal Oxide	AA
R2334	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2336	VRS-CY1JF821F	J	820	1/16W Metal Oxide	AA
R2337	VRS-CY1JF391J	J	390	1/16W Metal Oxide	AA
R2338	VRS-CY1JF222F	J	2.2k	1/16W Metal Oxide	AA
R2339	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2340	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2341	VRS-CY1JF470J	J	47	1/16W Metal Oxide	AA
R2342	VRS-CY1JF470J	J	47	1/16W Metal Oxide	AA
R2343	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2344	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R2345	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R2346	VRS-CY1JF183F	J	18k	1/16W Metal Oxide	AA
R2347	VRS-CY1JF103F	J	10k	1/16W Metal Oxide	AA
R2348	VRS-CY1JF273J	J	27k	1/16W Metal Oxide	AA
R2349	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R2350	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R2351	VRS-CY1JF183J	J	18k	1/16W Metal Oxide	AA
R2352	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R2353	VRS-CY1JF821F	J	820	1/16W Metal Oxide	AA

DUNTK9505DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
R2354	VRS-CY1JF912F	J	9.1k	1/16W	Metal Oxide	AA
R2355	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2356	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2357	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R2358	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2359	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2360	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2361	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2362	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2363	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2364	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2365	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2366	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2367	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2368	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2369	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2371	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2372	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2373	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2374	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2375	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2376	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2377	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2378	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2379	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2383	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2384	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2385	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2386	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2387	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2388	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2389	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R2390	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R2391	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R2392	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R2393	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R2394	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R2395	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R2396	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R2397	VRS-CY1JF121J	J	120	1/16W	Metal Oxide	AA
R2398	VRS-CY1JF121J	J	120	1/16W	Metal Oxide	AA
R2399	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R3150	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R3151	VRS-CY1JF121J	J	120	1/16W	Metal Oxide	AA
R3152	VRS-CY1JF121J	J	120	1/16W	Metal Oxide	AA
R3153	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R3154	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3155	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R3156	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R3157	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R3158	VRD-RA2BE182J	J	1.8k	1/8W	Carbon	AA
R3159	VRD-RA2BE182J	J	1.8k	1/8W	Carbon	AA
R3160	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R3161	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R3250	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R3251	VRS-CY1JF121J	J	120	1/16W	Metal Oxide	AA
R3252	VRS-CY1JF121J	J	120	1/16W	Metal Oxide	AA
R3253	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R3254	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3255	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R3256	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R3257	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R3258	VRD-RA2BE182J	J	1.8k	1/8W	Carbon	AA
R3259	VRD-RA2BE182J	J	1.8k	1/8W	Carbon	AA
R3260	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R3261	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R3350	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R3351	VRS-CY1JF121J	J	120	1/16W	Metal Oxide	AA
R3352	VRS-CY1JF121J	J	120	1/16W	Metal Oxide	AA
R3353	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R3354	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3355	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R3356	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R3357	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R3358	VRD-RA2BE182J	J	1.8k	1/8W	Carbon	AA
R3359	VRD-RA2BE182J	J	1.8k	1/8W	Carbon	AA
R3360	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R3361	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R5001	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5002	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5005	VRS-CY1JF472F	J	4.7k	1/16W	Metal Oxide	AA
R5006	VRS-CY1JF203F	J	20k	1/16W	Metal Oxide	AA
R5007	VRS-CY1JF472F	J	4.7k	1/16W	Metal Oxide	AA
R5008	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R5009	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5010	VRS-CY1JF105J	J	1 M	1/16W	Metal Oxide	AA
R5011	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5012	VRS-CB1JF103J	J	10k	1/16W	Metal Oxide	AA
R5013	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R5014	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5015	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5017	VRN-CY1JF153D	J	15k	1/16W	Metal Film	AA
R5018	VRN-CY1JF222D	J	2.2k	1/16W	Metal Film	AB
R5019	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R5020	VRN-CY1JF123D	J	12k	1/16W	Metal Film	AB
R5021	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5022	VRN-CY1JF272D	J	2.7k	1/16W	Metal Film	AB
R5025	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5026	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R5027	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R5028	VRS-CA1JF101J	J	100	1/16W	Metal Oxide	AA
R5029	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5030	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5031	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5032	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5033	VRS-CY1JF162F	J	1.6k	1/16W	Metal Oxide	AA
R5034	VRS-CY1JF102F	J	1k	1/16W	Metal Oxide	AA
R5035	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5036	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA

DUNTK9505DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R5037	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5038	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5039	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5040	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5041	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5042	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5043	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5044	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5045	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5046	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5047	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5048	VRS-TW2ED000J	J	0	1/4W	Metal Oxide	AB
R5049	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5051	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5052	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5053	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5054	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5055	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5056	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5061	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5062	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5063	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5064	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5065	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5066	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5067	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5068	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5070	VRS-CB1JF103J	J	10k	1/16W	Metal Oxide	AA
R5071	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5072	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5073	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5076	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5077	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5078	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R5079	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5080	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R5081	VRS-CA1JF101J	J	100	1/16W	Metal Oxide	AA
R5082	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5083	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5084	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5085	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5086	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5087	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5088	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5089	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5091	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5096	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5099	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5103	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5104	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5112	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5113	VRS-CY1JF105J	J	1 M	1/16W	Metal Oxide	AA
R5114	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5115	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5116	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5118	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5119	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5120	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R5121	VRS-CY1JF683J	J	68k	1/16W	Metal Oxide	AA
R5122	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R5123	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5124	VRS-CY1JF823J	J	82k	1/16W	Metal Oxide	AA
R5125	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5127	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5128	VRS-CY1JF105J	J	1 M	1/16W	Metal Oxide	AA
R5129	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5130	VRS-CY1JF105J	J	1 M	1/16W	Metal Oxide	AA
R5131	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5133	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5134	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5137	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R5138	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5139	VRS-CY1JF823J	J	82k	1/16W	Metal Oxide	AA
R5140	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5141	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5142	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5143	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5144	VRS-CY1JF683J	J	68k	1/16W	Metal Oxide	AA
R5145	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5146	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5147	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5148	VRS-CY1JF105J	J	1 M	1/16W	Metal Oxide	AA
R5150	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5151	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5154	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5157	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5159	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5160	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R5161	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R5162	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R5163	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R5164	VRS-CY1JF334J	J	330k	1/16W	Metal Oxide	AA
R5165	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5166	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R5167	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R5169	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5170	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R5171	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5172	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5173	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R5174	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R5175	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R5179	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5180	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5181	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5182	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5183	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5184	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5186	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA

DUNTK9505DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R5187	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5188	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5189	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5190	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5191	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5192	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5193	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5194	VRS-CY1JF751J	J	750	1/16W	Metal Oxide	AA
R5195	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5196	VRS-CY1JF751J	J	750	1/16W	Metal Oxide	AA
R5197	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5198	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5199	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5201	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5202	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5203	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5204	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5205	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5206	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5207	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5208	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5209	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5210	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5211	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5212	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5213	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5214	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5215	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5216	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5217	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5218	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5219	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5220	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5221	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5222	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5223	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5224	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5225	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5226	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5227	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5228	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5229	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5230	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5231	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5232	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5233	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5234	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5235	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5236	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5241	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5242	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5501	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5502	VRS-TV1JD4R7J	J	4.7	1/16W	Metal Oxide	AA
R5503	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R5506	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R5507	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R5508	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5509	VRS-CB1JF102J	J	1k	1/16W	Metal Oxide	AA
R5510	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5511	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5512	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5513	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5514	VRS-CY1JF821J	J	820	1/16W	Metal Oxide	AA
R5515	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5516	VRS-CY1JF183J	J	18k	1/16W	Metal Oxide	AA
R5517	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5518	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5519	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R5520	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R5521	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5522	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5523	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5524	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5526	VRS-CY1JF184J	J	180k	1/16W	Metal Oxide	AA
R5527	VRN-CY1JF242D	J	2.4k	1/16W	Metal Film	AB
R5528	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5529	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R5530	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5531	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5532	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5533	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5534	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5535	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5536	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5537	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5538	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5539	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5540	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5542	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5543	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5544	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5545	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R5550	VRS-CY1JF393J	J	39k	1/16W	Metal Oxide	AA
R5551	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5552	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5553	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5554	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5555	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5556	VRS-TX2HF1R0J	J	1	1/2W	Metal Oxide	AA
R5557	VRS-TX2HF1R0J	J	1	1/2W	Metal Oxide	AA
R5558	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5563	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5564	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R5565	VRS-CY1JF102F	J	1k	1/16W	Metal Oxide	AA
R5566	VRS-CY1JF510F	J	51	1/16W	Metal Oxide	AA
R5567	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5568	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5569	VRS-CY1JF822J	J	8.2k	1/16W	Metal Oxide	AA
R5570	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description			Code

DUNTK9505DE02
OUTPUT UNIT (Continued)

R5573	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5574	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5575	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5576	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5577	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5578	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5579	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5580	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5581	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5582	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5583	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5584	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5585	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5586	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5587	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5588	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5590	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5592	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5593	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5594	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5595	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5596	VRS-TX2HF1R0J	J	1	1/2W	Metal Oxide	AA
R5601	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5604	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5619	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R5620	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R5621	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5622	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R5623	VRS-CY1JF102F	J	1k	1/16W	Metal Oxide	AA
R5624	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA

SWITCHES

S2003	QSW-S0198CEZZ	J	Switch	AF
S5001	QSW-K0065GEZZ	J	Switch	AC

MISCELLANEOUS PARTS

FB1101	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1102	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1201	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1202	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1301	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1302	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB5001	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5501	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5502	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5504	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5505	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5506	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5507	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5508	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5509	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5510	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5512	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5513	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5514	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5516	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5517	RBLN-0062CEZZ	J	Ferrite Bead	AC
P1403	QPLGN0182FJZZ	J	Plug 10-Pin (SO)	AD
P1404	QCNCM6013CEZZ	J	Connector 60-Pin	AP
P1405	QCNCM6013CEZZ	J	Connector 60-Pin	AP
P5001	QPLGN0478GEZZ	J	Plug 4-Pin	AB
P5002	QPLGN0978GEZZ	J	Plug 9-Pin (LE)	AC
P5014	QPLGN0378GEZZ	J	Plug 3-Pin (RC)	AB
P5501	QPLGN0174FJZZ	J	Plug 2-Pin (Q)	AC
P5502	QPLGN1463TAZZ	J	Plug 14-Pin	AE
P5503	QPLGN0264TAZZ	J	Plug 2-Pin (L)	AC
P5504	QPLGN0174FJZZ	J	Plug 2-Pin (F)	AC
P5505	QPLGN0176FJZZ	J	Plug 4-Pin (FS)	AD
P5506	QPLGN0175FJZZ	J	Plug 3-Pin (FN)	AD
P5507	QPLGN0175FJZZ	J	Plug 3-Pin (FF)	AD
P5508	QPLGN0179FJZZ	J	Plug 7-Pin (EB)	AD
P5509	QPLGN0184FJZZ	J	Plug 12-Pin (EA)	AE
P5510	QPLGN0464TAZZ	J	Plug 4-Pin (AZ)	AC
P5511	QPLGN0177FJZZ	J	Plug 5-Pin (AS)	AD
SC1101	QSOCN3276TAZZ	J	Socket 32-Pin (RP)	AH
SC1201	QSOCN3276TAZZ	J	Socket 32-Pin (GP)	AH
SC1301	QSOCN3276TAZZ	J	Socket 32-Pin (BP)	AH
SC1501	QSOCZ7051CEZZ	J	Socket 70-Pin	AR
SC1503	QSOCN1069CEZZ	J	Socket 10-Pin	AD
SC5001	QSOCN1236TAZZ	J	Socket 12-Pin (KY)	AD
TP1101	QLUGP0110TAFW	J	Lug	AA
TP1102	QLUGP0110TAFW	J	Lug	AA
TP1201	QLUGP0110TAFW	J	Lug	AA
TP1202	QLUGP0110TAFW	J	Lug	AA
TP1301	QLUGP0110TAFW	J	Lug	AA
TP1302	QLUGP0110TAFW	J	Lug	AA

DUNTK9504DE02
INFRARED R/C RECEIVER UNIT

CAPACITOR

C7501	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC

RESISTORS

R7501	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R7502	VRS-CY1JF220J	J	22	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

P7501	QPLGN0378GEZZ	J	Plug 3-Pin (RC)	AB
RMC7501	RRMCU0225CEZZ	J	Infrared R/C Receiver	AK
	PSLDC3060CEFW	J	Shield	AF

Ref. No.	Part No.	★	Description			Code

RUNTK0571CEZZ
AC-SW UNIT

COILS

⚠L701	95KUKZ0705ZZ	J	Filter	ADR-25-06-050T		AQ
⚠L702	95KUKZ0855ZZ	J	Filter	ADR2510-030T		AR

CAPACITORS

C701	95KUGFZ474FE	J	0.47		Film	AH
⚠C702	95KUGFZ224FE	J	0.22		Film	AF
C703	95KUGFZ224FE	J	0.22		Film	AF
⚠C704	95KUGCZ222CX	J	2200P		Ceramic	AD
⚠C705	95KUGCZ222CX	J	2200P		Ceramic	AD

RESISTORS

⚠R701	95KUEEC474CH	J	470k	1/2W	Carbon	AC
⚠R702	95KUEEC474CH	J	470k	1/2W	Carbon	AC
⚠R704	95KUEZ0602ZZ	J	8.2M	1/2W	Solid	AC
⚠R705	95KUEZ0602ZZ	J	8.2M	1/2W	Solid	AC

SWITCH

⚠SW701	95KPFZ0226ZZ	J	Main Power Switch	AM

MISCELLANEOUS PARTS

⚠F701	95KPJCZZ0050	J	Fuse T6.3AH (250V)	AH
	95KPKZ1167ZZ	J	Base Pin 3-Pin (BA)	AK
	95KPKZ1168ZZ	J	Base Pin 2-Pin (PA)	AD
	95KPKZ1168ZZ	J	Base Pin 2-Pin (PE)	AD

Ref. No.	Part No.	★	Description			Code

DUNTK9382DE06/07
LED UNIT

INTEGRATED CIRCUIT

IC7301	VHiTDA1517/-1	J	TDA1517/N2	AL

DIODES

D7301	RH-PX0287CEZZ	J	Photodiode LED, Power Indicator	AC
D7302	RH-PX0287CEZZ	J	Photodiode LED, Lamp Indicator	AC
D7303	RH-PX0175CEZZ	J	Photodiode LED, Temp Indicator	AB

CAPACITORS

C7301	VCE9EA1CW475M	J	4.7	16V	Elect. (N.P)	AB
C7302	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C7303	VCEAGA1EW108M	J	1000	25V	Electrolytic	AD
C7304	VCEAGA1EW108M	J	1000	25V	Electrolytic	AD
C7305	VCE9EA1CW475M	J	4.7	16V	Elect. (N.P)	AB
C7306	VCEAGA1EW477M	J	470	25V	Electrolytic	AD
C7307	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C7308	VCEAEA1VW475M	J	4.7	35V	Electrolytic	AB

RESISTORS

R7301	VRD-RA2HD102J	J	1k	1/2W	Carbon	AA
R7302	VRD-RA2HD102J	J	1k	1/2W	Carbon	AA
R7303	VRD-RA2HD102J	J	1k	1/2W	Carbon	AA

SWITCH

S7301	QSW-P0577CEZZ	J	Power Switch	AE

MISCELLANEOUS PARTS

FB7301	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB7302	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB7303	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB7304	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB7305	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB7306	RBLN-0037CEZZ	J	Ferrite Bead	AB
P7301	QPLGN0978GEZZ	J	Plug 9-Pin (LE)	AC
P7302	QPLGN1078GEZZ	J	Plug 10-Pin (SO)	AC
P7303	QPLGN0478GEZZ	J	Plug 4-Pin (SP)	AB
	PRDAR1521CEFW	J	Heat Sink	AL
	LHLDZ1814CEZZ	J	Holder	AD
	LHLDW1037CEZZ	J	Holder	AA
	LX-BZ3220CEFD	J	Screw	AA

CTANZ0706CE01
VIDEO BOARD UNIT

NOTE: THE U. K. AND EUROPE-DESTINED VERSIONS OF MODEL XG-XV1E ARE OPTIONAL.

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC6001	95J0236562	J	Video Switch	AQ
IC6002	95J0236554	J	Audio Switch (R)	AQ
IC6003	95J0236554	J	Audio Switch (L)	AQ
IC6004	95J5816021501	J	MC141627	

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q6001	95J0095695	J	DTC144EKA	AD
Q6002	95J0236638	J	2SA1037KQ	AD
Q6003	95J0221614	J	2SC2412KQ	AD
Q6004	95J0236638	J	2SA1037KQ	AD
Q6005	95J0221614	J	2SC2412KQ	AD
Q6006	95J0236638	J	2SA1037KQ	AD
Q6007	95J0221614	J	2SC2412KQ	AD
Q6008	95J0221614	J	2SC2412KQ	AD
Q6009	95J0221614	J	2SC2412KQ	AD
Q6010	95J0221614	J	2SC2412KQ	AD
Q6011	95J0236638	J	2SA1037KQ	AD
Q6012	95J0221614	J	2SC2412KQ	AD
Q6013	95J0221614	J	2SC2412KQ	AD
Q6014	95J0221614	J	2SC2412KQ	AD

DIODES

Ref. No.	Part No.	★	Description	Code
D6001	95J0225821	J	Zener Diode 12V	AC
D6002	95J0225821	J	Zener Diode 12V	AC
D6003	95J0225821	J	Zener Diode 12V	AC
D6004	95J0225821	J	Zener Diode 12V	AC
D6005	95J0225821	J	Zener Diode 12V	AC
D6006	95J0225821	J	Zener Diode 12V	AC
D6007	95J0076265	J	Switching Diode MA153	AF

COILS

Ref. No.	Part No.	★	Description	Code
FL6001	95J0236745	J	Filter	AG
FL6002	95J04160904003	J	Filter	AG
FL6003	95J04160904003	J	Filter	AG
FL6004	95J04160904003	J	Filter	AG
FL6005	95J04160904003	J	Filter	AG
FL6006	95J04160904003	J	Filter	AG
FL6007	95J0236745	J	Filter	AG
FL6008	95J0236745	J	Filter	AG
FL6009	95J0236745	J	Filter	AG
FL6010	95J0236745	J	Filter	AG
FL6011	95J5816021501	J	Filter	
FL6012	95J5816021501	J	Filter	
L6001	95J0236729	J	Peaking Coil 27µH	AF

CAPACITORS

Ref. No.	Part No.	★			Description	Code
C6001	95J0120576	J	10	16V	Electrolytic	AD
C6002	95J0120576	J	10	16V	Electrolytic	AD
C6003	95J0109332	J	0.1	25V	Electrolytic	AC
C6004	95J0120550	J	1	50V	Electrolytic	AF
C6005	95J0120576	J	10	16V	Electrolytic	AD
C6006	95J0228841	J	100	16V	Electrolytic	AF
C6007	95J0120576	J	10	16V	Electrolytic	AD
C6008	95J0120576	J	10	16V	Electrolytic	AD
C6009	95J0036772	J	0.01	50V	Electrolytic	AC
C6010	95J0120576	J	10	16V	Electrolytic	AD
C6011	95J0120576	J	10	16V	Electrolytic	AD
C6012	95J0036772	J	0.01	50V	Electrolytic	AC
C6013	95J0109332	J	0.1	25V	Chip 1608	AC
C6014	95J0120576	J	10	16V	Electrolytic	AD
C6015	95J0109332	J	0.1	25V	Ceramic	AC
C6016	95J0109332	J	0.1	25V	Ceramic	AC
C6017	95J0136275	J	100	6.3V	Electrolytic	AF
C6018	95J0109332	J	0.1	25V	Ceramic	AC
C6019	95J0236711	J	10	16V	Elect. (N.P)	AF
C6020	95J0109332	J	0.1	25V	Ceramic	AC
C6021	95J0236711	J	10	16V	Elect. (N.P)	AF
C6022	95J0120550	J	1	50V	Electrolytic	AF
C6023	95J0036434	J	27p	50V	Ceramic	AC
C6024	95J0036434	J	27p	50V	Ceramic	AC
C6025	95J0120584	J	22	16V	Electrolytic	AD
C6027	95J0236711	J	10	16V	Elect. (N.P)	AF
C6028	95J0124156	J	2.2	50V	Electrolytic	AC
C6029	95J0036772	J	0.01	50V	Ceramic	AC
C6030	95J0120550	J	1	50V	Electrolytic	AE
C6031	95J0109332	J	0.1	25V	Ceramic	AC
C6032	95J0228841	J	100	16V	Electrolytic	AF

RESISTORS

Ref. No.	Part No.	★			Description	Code
R6001	95J0052258	J	100	1/16W	Chip 1608	AC
R6002	95J0236786	J	75	1/4W	Chip 3216	AC
R6003	95J0236786	J	75	1/4W	Chip 3216	AC
R6004	95J0052258	J	100	1/16W	Chip 1608	AC
R6005	95J0236786	J	75	1/4W	Chip 3216	AC
R6006	95J0052258	J	100	1/16W	Chip 1608	AC
R6007	95J0236786	J	75	1/16W	Chip 3216	AC
R6008	95J0052258	J	100	1/16W	Chip 1608	AC
R6009	95J0052258	J	100	1/16W	Chip 1608	AC
R6010	95J0052258	J	100	1/16W	Chip 1608	AC
R6011	95J0052738	J	12k	1/16W	Chip 1608	AC
R6012	95J0052845	J	56k	1/16W	Chip 1608	AC
R6013	95J0052738	J	12k	1/16W	Chip 1608	AC
R6014	95J0052845	J	56k	1/16W	Chip 1608	AC
R6015	95J0052738	J	12k	1/16W	Chip 1608	AC
R6016	95J0052845	J	56k	1/16W	Chip 1608	AC
R6017	95J0052738	J	12k	1/16W	Chip 1608	AC
R6018	95J0052845	J	56k	1/16W	Chip 1608	AC
R6019	95J0052258	J	100	1/16W	Chip 1608	AC
R6020	95J0052472	J	1k	1/16W	Chip 1608	AC
R6021	95J0052258	J	100	1/16W	Chip 1608	AC
R6022	95J0052472	J	1k	1/16W	Chip 1608	AC
R6035	95J0052829	J	47k	1/16W	Chip 1608	AC
R6036	95J0052829	J	47k	1/16W	Chip 1608	AC
R6037	95J0052829	J	47k	1/16W	Chip 1608	AC
R6038	95J0052829	J	47k	1/16W	Chip 1608	AC

Ref. No.	Part No.	★	Description	Code

CTANZ0706CE01
VIDEO BOARD UNIT (Continued)

R6039	95J0052829	J	47k	1/16W	Chip 1608	AC
R6040	95J0052829	J	47k	1/16W	Chip 1608	AC
R6041	95J0052829	J	47k	1/16W	Chip 1608	AC
R6042	95J0052829	J	47k	1/16W	Chip 1608	AC
R6043	95J0052829	J	47k	1/16W	Chip 1608	AC
R6044	95J0052829	J	47k	1/16W	Chip 1608	AC
R6045	95J0052829	J	47k	1/16W	Chip 1608	AC
R6046	95J0052829	J	47k	1/16W	Chip 1608	AC
R6047	95J0052829	J	47k	1/16W	Chip 1608	AC
R6049	95J0052258	J	100	1/16W	Chip 1608	AC
R6050	95J0052217	J	56	1/16W	Chip 1608	AC
R6051	95J0052829	J	47k	1/16W	Chip 1608	AC
R6052	95J0052712	J	10k	1/16W	Chip 1608	AC
R6053	95J0133645	J	750k	1/16W	Chip 1608	AC
R6054	95J0052829	J	47k	1/16W	Chip 1608	AC
R6055	95J0052217	J	56	1/16W	Chip 1608	AC
R6056	95J0052514	J	1.5k	1/16W	Chip 1608	AC
R6057	95J0052472	J	1k	1/16W	Chip 1608	AC
R6058	95J0052795	J	27k	1/16W	Chip 1608	AC
R6059	95J0052795	J	27k	1/16W	Chip 1608	AC
R6060	95J0052472	J	1k	1/16W	Chip 1608	AC
R6061	95J0052217	J	56	1/16W	Chip 1608	AC
R6062	95J0052514	J	1.5k	1/16W	Chip 1608	AC
R6063	95J0052779	J	22k	1/16W	Chip 1608	AC
R6064	95J0052696	J	8.2k	1/16W	Chip 1608	AC
R6065	95J0052472	J	1k	1/16W	Chip 1608	AC
R6066	95J0219386	J	390	1/16W	Chip 1608	
R6067	95J0236778	J	470	1/16W	Chip 1608	AC
R6068	95J0052514	J	1.5k	1/16W	Chip 1608	AC
R6069	95J0052472	J	1k	1/16W	Chip 1608	AC
R6070	95J0052472	J	1k	1/16W	Chip 1608	AC
R6071	95J0052541	J	1.5k	1/16W	Chip 1608	AC
R6072	95J0052217	J	56	1/16W	Chip 1608	AC
R6073	95J0052472	J	1k	1/16W	Chip 1608	AC
R6074	95J0052472	J	1k	1/16W	Chip 1608	AC
R6075	95J0052472	J	1k	1/16W	Chip 1608	AC
R6076	95J0052779	J	22k	1/16W	Chip 1608	AC
R6077	95J0052746	J	15k	1/16W	Chip 1608	AC
R6078	95J0052472	J	1k	1/16W	Chip 1608	AC
R6079	95J0036778	J	470	1/16W	Chip 1608	AC
R6080	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R6081	95J0236760	J	220k	1/16W	Chip 1608	AC
R6082	95J0052845	J	56k	1/16W	Chip 1608	AC
R6083	95J0052316	J	220	1/16W	Chip 1608	AC
R6084	95J0052217	J	56	1/16W	Chip 1608	AC
R6085	95J0054288	J	120	1/10W	Chip 1608	AC
R6086	95J0208785	J	680	1/16W	Chip 1608	
R6087	95J0052258	J	100	1/16W	Chip 1608	AC
R6088	95J0052969	J	1M	1/16W	Chip 1608	AC
R6089	95J0236786	J	75	1/4W	Chip 3216	AC
R6090	95J0052258	J	100	1/16W	Chip 1608	AC
R6091	95J0055194	J	0	1/10W	Chip 2125	
R6092	95J0055194	J	0	1/10W	Chip 2125	
R6093	95J0055194	J	0	1/10W	Chip 2125	
R6094	95J0055194	J	0	1/10W	Chip 2125	
R6095	95J0055194	J	0	1/10W	Chip 2125	
R6096	95J0055194	J	0	1/10W	Chip 2125	
R6097	95J0055194	J	0	1/10W	Chip 2125	
R6098	95J0055194	J	0	1/10W	Chip 2125	
R6099	95J0055194	J	0	1/10W	Chip 2125	
R6100	95J0055194	J	0	1/10W	Chip 2125	

MISCELLANEOUS PARTS

SC6001	95J0225706	J	Socket 30-Pin (VS)	AN
FB6001	95J0236737	J	Ferrite Bead	AD
J6001	95J0229500	J	Jack, S-Video Input	AL
J6002	95J196317A	J	Jack, Video Output: BNC	AW
J6003	95J0225518	J	Jack, Video 1 Audio In	AM
J6004	95J0225518	J	Jack, Video 2 Audio In	AM

CTANZ0705CE01
PC TERMINAL UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC3001	95J0236505	J	AD8013AR	AV
IC3002	95J0236539	J	74ALS1034	AK
IC3003	95J0236547	J	TL712CPS	AK
IC3004	95J0236547	J	TL712CPS	AK
IC3005	95J0236547	J	TL712CPS	AK
IC3006	95J0236588	J	UPD4721G	AX
IC3007	95J58160215016	J	iX2955CE	AR
IC3008	95J58160215017	J	iX3015CE	AV
IC3009	95J0236547	J	TL712CSP	AK
IC3010	95J0236547	J	TL712CSP	AK
IC3011	95J0236570	J	M52348SP	AU
IC3012	95J0236521	J	74LS153	AL
IC3013	95J0236513	J	24LC21	AQ

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q3001	95J0221614	J	2SC2412 (Q)	AD
Q3002	95J0236638	J	2SA1037 (Q)	AD
Q3003	95J0221614	J	2SC2412 (Q)	AD
Q3004	95J0236596	J	2SC2996 (Y)	AE
Q3005	95J0236596	J	2SC2996 (Y)	AE
Q3006	95J0236596	J	2SC2996 (Y)	AE

DIODES

Ref. No.	Part No.	★	Description	Code
D3003	95J0236604	J	Diode MA152WA	AE
D3004	95J0236604	J	Diode MA152WA	AE
D3007	95J0236604	J	Diode MA152WA	AE
D3008	95J0236604	J	Diode MA152WA	AE
D3009	95J0236612	J	Diode MA3120WA	AE
D3011	95J0236612	J	Diode MA3120WA	AE
D3013	95J0236612	J	Diode MA3120WA	AE
D3015	95J0236620	J	Diode MA3056	AE
D3016	95J0236612	J	Diode MA3120WA	AE
D3018	95J0236612	J	Diode MA3120WA	AE
D3019	95J0236612	J	Diode MA3120WA	AE
D3020	95K0236604	J	Diode MA152WA	AE
D3021	95K0236604	J	Diode MA152WA	AE
D3022	95K0236604	J	Diode MA152WA	AE
D3023	95K0236604	J	Diode MA152WA	AE
D3024	95K0236604	J	Diode MA152WA	AE
D3025	95J0236612	J	Diode MA3120WA	AE
D3026	95J0236612	J	Diode MA3120WA	AE
D3027	95J0236604	J	Diode MA152WA	AE
D3028	95J0236604	J	Diode MA152WA	AE
D3029	95J0236604	J	Diode MA152WA	AE
D3030	95J0236604	J	Diode MA152WA	AE
D3031	95J0236612	J	Diode MA3120WA	AE

COILS

Ref. No.	Part No.	★	Description	Code
CF3001	95J0236752	J	Ceramic Filter 4.0MHz	AK
L3001	95J0215665	J	Peaking Coil LQH1C100K04	AG
L3002	95J0215665	J	Peaking Coil LQH1C100K04	AG
L3003	95J0215665	J	Peaking Coil LQH1C100K04	AG
L3004	95J0236703	J	Peaking Coil LQH1C220K04	AG
L3005	95J0236703	J	Peaking Coil LQH1C220K04	AG
L3006	95J0215665	J	Peaking Coil LQH1C100K04	AG

CAPACITORS

Ref. No.	Part No.	★				Code
C3001	95J0036459	J	33p	50V	Chip 1608	AC
C3002	95J0109322	J	0.1	25V	Chip 1608	AD
C3003	95J0109322	J	0.1	25V	Chip 1608	AD
C3004	95J0036459	J	33p	50V	Chip 1608	AC
C3005	95J0109322	J	0.1	25V	Chip 1608	AD
C3006	95J0109322	J	0.1	25V	Chip 1608	AD
C3007	95J0228841	J	100	16V	Electrolytic	AF
C3008	95J0036459	J	33p	50V	Chip 1608	AC
C3009	95J0109322	J	0.1	25V	Chip 1608	AD
C3010	95J0109322	J	0.1	25V	Chip 1608	AD
C3011	95J0109322	J	0.1	25V	Chip 1608	AD
C3012	95J0109322	J	0.1	25V	Chip 1608	AD
C3013	95J0228841	J	100	16V	Electrolytic	AF
C3014	95J0109322	J	0.1	25V	Chip 1608	AD
C3015	95J0120576	J	10	16V	Electrolytic	AD
C3016	95J0120576	J	10	16V	Electrolytic	AD
C3017	95J0124156	J	2.2	50V	Electrolytic	AC
C3018	95J0124156	J	2.2	50V	Electrolytic	AC
C3019	95J0109322	J	0.1	25V	Chip 1608	AD
C3020	95J0124156	J	2.2	50V	Electrolytic	AC
C3021	95J0124156	J	2.2	50V	Electrolytic	AC
C3022	95J0036574	J	220p	50V	Chip 1608	AC
C3023	95J0036574	J	220p	50V	Chip 1608	AC
C3024	95J0136275	J	100	6.3V	Electrolytic	AF
C3025	95J0109322	J	0.1	25V	Chip 1608	AD
C3026	95J0109322	J	0.1	25V	Chip 1608	AD
C3027	95J0109322	J	0.1	25V	Chip 1608	AD
C3028	95J0020592	J	47	16V	Electrolytic	AF
C3029	95J0020592	J	47	16V	Electrolytic	AF
C3030	95J0036772	J	0.01	50V	Chip 1608	AC
C3031	95J0036772	J	0.01	50V	Chip 1608	AC
C3032	95J0020592	J	47	16V	Electrolytic	AF
C3033	95J0036772	J	0.01	50V	Chip 1608	AC
C3034	95J0020592	J	47	16V	Electrolytic	AF
C3035	95J0020592	J	47	16V	Electrolytic	AF
C3036	95J0109322	J	0.1	25V	Chip 1608	AD
C3037	95J0109322	J	0.1	25V	Chip 1608	AD
C3038	95J0020592	J	47	16V	Electrolytic	AF
C3039	95J0020592	J	47	16V	Electrolytic	AF
C3040	95J0036772	J	0.01	50V	Chip 1608	AC
C3041	95J0036772	J	0.01	50V	Chip 1608	AC
C3042	95J0020592	J	47	16V	Electrolytic	AF
C3043	95J0036772	J	0.01	50V	Chip 1608	AC
C3044	95J0036459	J	33p	50V	Chip 1608	AC
C3045	95J0109322	J	0.1	25V	Chip 1608	AD
C3046	95J0036459	J	33p	50V	Chip 1608	AC
C3047	95J0109322	J	0.1	25V	Chip 1608	AD
C3048	95J0120576	J	10	16V	Electrolytic	AD
C3050	95J0109322	J	0.1	25V	Chip 1608	AD
C3052	95J0120576	J	10	16V	Electrolytic	AD
C3053	95J0109322	J	0.1	25V	Chip 1608	AD
C3056	95J0120576	J	10	16V	Electrolytic	AD
C3057	95J0109322	J	0.1	25V	Chip 1608	AD
C3060	95J0228841	J	100	16V	Electrolytic	AF
C3062	95J0109322	J	0.1	25V	Chip 1608	AD
C3063	95J0109322	J	0.1	25V	Chip 1608	AD
C3064	95J0020592	J	47	16V	Electrolytic	AF
C3065	95J0020592	J	47	16V	Electrolytic	AF

CTANZ0705CE01
PC TERMINAL UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C3066	95J0109322	J	0.1	25V	Chip 1608	AD
C3067	95J0124164	J	22	6.3V	Electrolytic	
C3068	95J0124164	J	22	6.3V	Electrolytic	
C3069	95J0124164	J	22	6.3V	Electrolytic	
C3070	95J0020592	J	47	16V	Electrolytic	AF
C3071	95J0036772	J	0.01	50V	Chip 1608	AC
C3072	95J0124198	J	47	6.3V	Electrolytic	AE

RESISTORS

Ref. No.	Part No.	★	Description			Code
R2001	95J0236786	J	75	1/4W	Chip 3225	AC
R2002	95J0236786	J	75	1/4W	Chip 3225	AC
R2003	95J0236786	J	75	1/4W	Chip 3225	AC
R3004	95J0052472	J	1k	1/16W	Chip 1608	AC
R3005	95J0052613	J	3.9k	1/16W	Chip 1608	AC
R3006	95J0052472	J	1k	1/16W	Chip 1608	AC
R3007	95J0052332	J	270	1/16W	Chip 1608	AC
R3008	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R3009	95J0052472	J	1k	1/16W	Chip 1608	AC
R3010	95J0052613	J	3.9k	1/16W	Chip 1608	AC
R3011	95J0052472	J	1k	1/16W	Chip 1608	AC
R3012	95J0052332	J	270	1/16W	Chip 1608	AC
R3013	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R3014	95J0052472	J	1k	1/16W	Chip 1608	AC
R3015	95J0052613	J	3.9k	1/16W	Chip 1608	AC
R3016	95J0052472	J	1k	1/16W	Chip 1608	AC
R3017	95J0052332	J	270	1/16W	Chip 1608	AC
R3018	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R3019	95J0052465	J	820	1/16W	Chip 1608	AC
R3020	95J0052465	J	820	1/16W	Chip 1608	AC
R3021	95J0052465	J	820	1/16W	Chip 1608	AC
R3022	95J0052465	J	820	1/16W	Chip 1608	AC
R3023	95J0052465	J	820	1/16W	Chip 1608	AC
R3024	95J0052465	J	820	1/16W	Chip 1608	AC
R3025	95J0236786	J	75	1/4W	Chip 3216	AC
R3026	95J0236786	J	75	1/4W	Chip 3216	AC
R3027	95J0236786	J	75	1/4W	Chip 3216	AC
R3028	95J0052431	J	680	1/16W	Chip 1608	AC
R3029	95J0052431	J	680	1/16W	Chip 1608	AC
R3030	95J0052969	J	1M	1/16W	Chip 1608	AC
R3031	95J0052969	J	1M	1/16W	Chip 1608	AC
R3032	95J0052654	J	5.6k	1/16W	Chip 1608	AC
R3033	95J0052654	J	5.6k	1/16W	Chip 1608	AC
R3034	95J0052654	J	5.6k	1/16W	Chip 1608	AC
R3035	95J0052795	J	27k	1/16W	Chip 1608	AC
R3036	95J0052845	J	56k	1/16W	Chip 1608	AC
R3037	95J0052654	J	5.6k	1/16W	Chip 1608	AC
R3038	95J0052795	J	27k	1/16W	Chip 1608	AC
R3039	95J0052654	J	5.6k	1/16W	Chip 1608	AC
R3040	95J0052795	J	27k	1/16W	Chip 1608	AC
R3041	95J0052258	J	100	1/16W	Chip 1608	AC
R3042	95J0052886	J	100k	1/16W	Chip 1608	AC
R3043	95J0052258	J	100	1/16W	Chip 1608	AC
R3044	95J0052886	J	100k	1/16W	Chip 1608	AC
R3046	95J0052712	J	10k	1/16W	Chip 1608	AC
R3047	95J0052712	J	10k	1/16W	Chip 1608	AC
R3048	95J0052498	J	1.2k	1/16W	Chip 1608	AC
R3049	95J0052498	J	1.2k	1/16W	Chip 1608	AC
R3050	95J0052498	J	1.2k	1/16W	Chip 1608	AC
R3051	95J0236786	J	75	1/4W	Chip 3216	AC
R3052	95J0236786	J	75	1/4W	Chip 3216	AC
R3053	95J0236786	J	75	1/4W	Chip 3216	AC
R3054	95J0052332	J	270	1/16W	Chip 1608	AC
R3055	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R3056	95J0052472	J	1k	1/16W	Chip 1608	AC
R3057	95J0052472	J	1k	1/16W	Chip 1608	AC
R3058	95J0052613	J	3.9k	1/16W	Chip 1608	AC
R3059	95J0052332	J	270	1/16W	Chip 1608	AC
R3060	95J0052472	J	1k	1/16W	Chip 1608	AC
R3061	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R3062	95J0052472	J	1k	1/16W	Chip 1608	AC
R3063	95J0052613	J	3.9k	1/16W	Chip 1608	AC
R3064	95J0052779	J	22k	1/16W	Chip 1608	AC
R3065	95J0052779	J	22k	1/16W	Chip 1608	AC
R3066	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R3067	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R3068	95J0052175	J	0	1/16W	Chip 1608	AC
R3069	95J0052779	J	22k	1/16W	Chip 1608	AC
R3070	95J0052779	J	22k	1/16W	Chip 1608	AC
R3071	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R3072	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R3073	95J0052175	J	0	1/16W	Chip 1608	AC
R3074	95J0052779	J	22k	1/16W	Chip 1608	AC
R3075	95J0052779	J	22k	1/16W	Chip 1608	AC
R3076	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R3077	95J0052555	J	2.2k	1/16W	Chip 1608	AC
R3078	95J0052175	J	0	1/16W	Chip 1608	AC
R3079	95J0052175	J	0	1/16W	Chip 1608	AC
R3083	95J0052654	J	5.6k	1/16W	Chip 1608	AC
R3085	95J0052993	J	10	1/16W	Chip 1608	AC
R3087	95J0052993	J	10	1/16W	Chip 1608	AC
R3088	95J0052993	J	10	1/16W	Chip 1608	AC
R3090	95J0052258	J	100	1/16W	Chip 1608	AC
R3091	95J0052258	J	100	1/16W	Chip 1608	AC
R3092	95J0052175	J	0	1/16W	Chip 1608	AC
R3093	95J0052175	J	0	1/16W	Chip 1608	AC
R3094	95J0052175	J	0	1/16W	Chip 1608	AC
R3095	95J0052175	J	0	1/16W	Chip 1608	AC
R3096	95J0052175	J	0	1/16W	Chip 1608	AC
R3099	95J0052258	J	100	1/16W	Chip 1608	AC
R3100	95J0052258	J	100	1/16W	Chip 1608	AC
R3102	95J0052472	J	1k	1/16W	Chip 1608	AC
R3103	95J0052472	J	1k	1/16W	Chip 1608	AC
R3104	95J0054270	J	100	1/10W	Chip 2125	AC
R3105	95J0052258	J	100	1/16W	Chip 1608	AC
R3106	95J0054270	J	100	1/10W	Chip 2125	AC
R3107	95J0052258	J	100	1/16W	Chip 1608	AC
R3108	95J0052258	J	100	1/16W	Chip 1608	AC
R3109	95J0052258	J	100	1/16W	Chip 1608	AC
R3110	95J0052258	J	100	1/16W	Chip 1608	AC
R3111	95J0052753	J	18k	1/16W	Chip 1608	AC
R3112	95J0052472	J	1k	1/16W	Chip 1608	AC
R3113	95J0052829	J	47k	1/16W	Chip 1608	AC
R3114	95J0052829	J	47k	1/16W	Chip 1608	AC
R3115	95J0052829	J	47k	1/16W	Chip 1608	AC
R3116	95J0052258	J	100	1/16W	Chip 1608	AC

Ref. No.	Part No.	★	Description	Code

CTANZ0705CE01
PC TERMINAL UNIT (Continued)

R3117	95J0052258	J	100	1/16W	Chip 1608	AC
R3118	95J0052258	J	100	1/16W	Chip 1608	AC
R3119	95J0052829	J	47k	1/16W	Chip 1608	AC
R3120	95J0052712	J	10k	1/16W	Chip 1608	AC
R3121	95J0052258	J	100	1/16W	Chip 1608	AC
R3123	95J0052258	J	100	1/16W	Chip 1608	AC
R3124	95J0052258	J	100	1/16W	Chip 1608	AC
R3125	95J0052258	J	100	1/16W	Chip 1608	AC
R3126	95J0052258	J	100	1/16W	Chip 1608	AC
R3127	95J0052258	J	100	1/16W	Chip 1608	AC
R3128	95J0052258	J	100	1/16W	Chip 1608	AC
R3129	95J0052258	J	100	1/16W	Chip 1608	AC
R3130	95J0052472	J	1k	1/16W	Chip 1608	AC
R3131	95J0052472	J	1k	1/16W	Chip 1608	AC
R3132	95J0052472	J	1k	1/16W	Chip 1608	AC

SWITCH

S3001	95J0236646	J	Filter Switch SSSF042-P06N0	

MISCELLANEOUS PARTS

SC3001	95J0225706	J	Socket 30-Pin (TN)	AN
J3001	95J0236695	J	Computer RGB Input Connector (HD-15)	AU
J3002	95J0236695	J	Computer RGB Output Connector (HD-15)	AU
J3003	95J0236687	J	Audio Output Terminal (RCA)	AM
J3004	95J0236661	J	PC Control Connector (D-sub 9-Pin)	AS
J3005	95J0236653	J	Mouse Terminal (D-sub 9-Pin)	AS
J3006	95J0236679	J	Mouse Terminal (9-Pin mini DIN)	AN
J3008	95J196316A	J	Computer RGB Input 2: BNC (R, G, B, H-SYNC, V-SYNC)	AW
FB3001	95J0232868	J	Ferrite Bead	AE
FB3002	95J0232868	J	Ferrite Bead	AE
FB3004	95J0232868	J	Ferrite Bead	AE
FB3005	95J0232868	J	Ferrite Bead	AE
FB3007	95J0232868	J	Ferrite Bead	AE
FB3008	95J0232868	J	Ferrite Bead	AE
FB3009	95J0232868	J	Ferrite Bead	AE
FB3010	95J0232868	J	Ferrite Bead	AE
FB3011	95J0232868	J	Ferrite Bead	AE
FB3012	95J0232868	J	Ferrite Bead	AE
FB3013	95J0232868	J	Ferrite Bead	AE
FB3014	95J0232868	J	Ferrite Bead	AE
FB3017	95J0232868	J	Ferrite Bead	AE
FB3018	95J0232868	J	Ferrite Bead	AE
FB3019	95J0232868	J	Ferrite Bead	AE
FB3020	95J0232868	J	Ferrite Bead	AE
FB3021	95J0232868	J	Ferrite Bead	AE
FB3022	95J0232868	J	Ferrite Bead	AE

Ref. No.	Part No.	★	Description	Code

CDENC0252CE01
POWER/BALLAST UNIT

INTEGRATED CIRCUITS

IC101	95KUCZ0091ZZ	J	M5T494P	AK
IC102	95KUCC0015AZ	J	M5239L	AF
IC701	95KUCC0018AK	J	UPC1093J	AF
IC702	95KUCB0077AZ	J	PQ30RV11	AH
IC703	95KUCC0015AZ	J	M5239L	AF
IC704	95KUCB0095CZ	J	PQ12RF11	AH
IC705	95KUCB0077AZ	J	PQ30RV11	AH

TRANSISTORS

Q102	95KUAY0046AK	J	2SB736 (Chip)	AC
Q103	95KUAY0012AK	J	2SA812 (Chip)	AB
Q104	95KUAY0013AK	J	2SC1623 (Chip)	AB
Q105	95KUAY0012AK	J	2SA812 (Chip)	AB
Q106	95KUAY0013AK	J	2SC1623 (Chip)	AB
Q107	95KUAY0013AK	J	2SC1623 (Chip)	AB
Q108	95KUAY0013AK	J	2SC1623 (Chip)	AB
Q701	95KUAG0161CZ	J	PS5KM-18A	AM
Q702	95KUAC0056BK	J	2SC2002L	AD
Q703	95KUAC0152DK	J	2SC2785HF	AC
Q704	95KUAC0152DK	J	2SC2785HF	AC
Q707	95KUAC0027CK	J	2SC2655	AD
Q1701	95KUAG0099AZ	J	FET 2SK1938	AV
Q1702	95KUAG0099AZ	J	FET 2SK1938	AV
Q1703	95KUAA0083AK	J	2SA1680	AE
Q1704	95KUAA0083AK	J	2SA1680	AE
Q1705	95KUAC0270BZ	J	2SC3623	AD
Q1706	95KUAC0234AZ	J	2SC3866	AH
Q1707	95KUAB0010CZ	J	2SB744	AF
Q1708	95KUAC0214AK	J	2SC4408	AD

DIODES

D101	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D102	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D103	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D104	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D105	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D106	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
⚠ D701	95KUBB0206EZ	J	Diode Stack D10XB60H	AN
D702	95KUBC0248AK	J	Diode 05NU42	AC
D703	95KUBC0248AK	J	Diode 05NU42	AC
D704	95KUBC0125AK	J	Diode ERA15-01	AB
D705	95KUBDAK270C	J	Zener Diode RD27ESAB	AB
D706	95KUBC0125DK	J	Diode ERA15-06	AB
D707	95KUBA0005KZ	J	Diode 1SS55	AB
D708	95KUBA0005KZ	J	Diode 1SS55	AB
D709	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D710	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D711	95KUBDAK330C	J	Zener Diode RD33ESAB2	AB
D712	95KUBDAK270B	J	Zener Diode RD27ESAB1	AC
D713	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D714	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D715	95KUBC0264BE	J	Diode ERB32-02	AD

CDENC0252CE01

POWER/BALLAST UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
D716	95KUBB0208SZ	J	Diode Stack YG902C2R	AH
D717	95KUBC0242DZ	J	Diode F10P06Q	AM
D718	95KUBC0102BL	J	Diode ERB84-009 (2A/90V)	
D719	95KUBC0242DZ	J	Diode F10P06Q	AM
D720	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D721	95KUBB0208SZ	J	Diode Stack YG902C2R	AK
D722	95KUBA0005KZ	J	Diode 1SS55	AB
D723	95KUBA0005KZ	J	Diode 1SS55	AB
D724	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D726	95KUBA0005KZ	J	Diode 1SS55	AB
D1701	95KUBC0221AK	J	Diode ERA18-02	AC
D1702	95KUBC0221AK	J	Diode ERA18-02	AC
D1703	95KUBC0190BK	J	Diode ERC38-05	AG
D1704	95KUBC0125DK	J	Diode ERA15-06	AB
D1705	95KUBA0005KZ	J	Diode 1SS55	AB
D1706	95KUBC0248AK	J	Diode 05NU42	AC
D1707	95KUBC0318AK	J	Diode 1R5NH41	AF
D1708	95KUBC0323AK	J	Diode 05NH45	AE
D1709	95KUBA0005KZ	J	Diode 1SS55	AB
D1710	95KUBC0221AK	J	Diode ERA18-02	AC
D1711	95KUBC0284BZ	J	Diode YG912S6	AP
DS1701	95KUBB0229AZ	J	Diode Stack PA905C6	AS
ZD103	95KUBDAK6R2C	J	Zener Diode RD6.2ESAB	AB
ZD104	95KUBDAK6R2C	J	Zener Diode RD6.2ESAB	AB
ZD105	95KUBDAK6R2C	J	Zener Diode RD6.2ESAB	AB
ZD1701	95KUBDAE120D	J	Zener Diode RD12FB	AE
ZD1702	95KUBDAE120D	J	Zener Diode RD12FB	AE
ZD1703	95KUBDAK300C	J	Zener Diode RD30ESAB	AB
ZD1704	95KUBDAK100C	J	Zener Diode RD10ESAB	AB
ZD1705	95KUBDAK180C	J	Zener Diode RD18ESAB	AB
ZD1706	95KUBDAK180C	J	Zener Diode RD18ESAB	AB
ZD1707	95KUBDAK2R0C	J	Zener Diode RD2.0ESAB	
ZD1708	95KUBDCK300C	J	Zener Diode RD30FB	
THY101	95KUDA0078AK	J	Thyristor CR02AM-8	AF
THY701	95KUDA0084ZZ	J	Thyristor CR04AM-12	AG
THY1701	95KUDA0083ZZ	J	Thyristor SF8JZ47	AM
THY1702	95KUDA0083ZZ	J	Thyristor SF8JZ47	AM

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ PC701	95KUDC0163EZ	J	Photo Coupler PC123	AH
⚠ PC1701	95KUDC0163EZ	J	Photo Coupler PC123	AH
⚠ PC1702	95KUDC0163EZ	J	Photo Coupler PC123	AH

COIL AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
L704	95KUKZ0714ZK	J	Coil LHL08TB8R2M 8.2µH	AE
L705	95KUKZ0505ZK	J	Coil 2.2µH	AF
L707	95KUKZ0432ZZ	J	Coil LHL08TB220K	AE
L709	95KUZZ0156ZZ	J	Coil RS208	AH
L1701	95K830295025	J	Trans.CHT072	BB
⚠ T701	95K130295034	J	Trans.PTTN93	BC
T1701	95K829195004	J	Trans.DTTX03	BB
⚠ T1702	95K748295013	J	Trans.J6B21-9001	BQ

CONTROLS

Ref. No.	Part No.	★		Description	Code
R735	95KUFBA472DB	J	4.7k	Output Adj.	AB
VR1701	95KUFBA103DB	J	10k	Power Adj. (Rough)	AC
VR1702	95KUFBA102DB	J	1k	Power Adj. (Fine)	AB

CAPACITORS

Ref. No.	Part No.	★			Description	Code
C101	95KUGXAED104	J	0.1	25V	Ceramic (Chip)	AB
C102	95KUGXAFC105	J	1	16V	Ceramic (Chip)	AD
C103	95KUGXAFF104	J	0.1	50V	Ceramic (Chip)	AB
C104	95KUGXALF102	J	1000p	50V	Ceramic (Chip)	AC
C105	95KUGXAED104	J	0.1	25V	Ceramic (Chip)	AB
C106	95KUGXAEF103	J	0.01	50V	Ceramic (Chip)	AB
C107	95KUGXAFC105	J	1	16V	Ceramic (Chip)	AD
C108	95KUGAE100KL	J	10	35V	Electrolytic	AE
C109	95KUGXAED104	J	0.1	25V	Ceramic (Chip)	AB
⚠ C707	95KUGCZ222CX	J	2200p	2kV	Ceramic	
⚠ C708	95KUGCZ222CX	J	2200p	2kV	Ceramic	
C709	95KUGBM152DE	J	1500	250V	Electrolytic	AY
C710	95KUGBM152DE	J	1500	250V	Electrolytic	AY
C711	95KUGXFXT103	J	0.01	630V	Chip	
C714	95KUGCU222BR	J	2200p	1kV	Ceramic	AE
C715	95KUGFF223BQ	J	0.022	50V	Film	AB
C716	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C717	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C718	95KUGXAEF102	J	1000p	50V	Ceramic (Chip)	AA
C719	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C720	95KUGFF473BQ	J	0.047	50V	Film	AB
C721	95KUGAF010RV	J	1	50V	Electrolytic	AC
C722	95KUGAE181TR	J	180	35V	Electrolytic	AD
⚠ C723	95KUGCZ222CX	J	2200p	2kV	Ceramic	
⚠ C724	95KUGCZ222CX	J	2200p	2kV	Ceramic	
C725	95KUGCS331AA	J	330p	500V	Ceramic	AC
C726	95KUGAD152TS	J	1500	25V	Electrolytic	AG
C727	95KUGAD101RV	J	100	25V	Electrolytic	AD
C728	95KUGCS331AA	J	330p	500V	Ceramic	AC
C729	95KUGAB272TS	J	2700	10V	Electrolytic	AG
C730	95KUGAB272TS	J	2700	10V	Electrolytic	AG
C731	95KUGXAEF473	J	0.047	50V	Ceramic (Chip)	AB
C732	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C733	95KUGAB221RV	J	220	10V	Electrolytic	AD
C734	95KUGCS331AA	J	330p	500V	Ceramic	AC
C735	95KUGAC471TT	J	470	16V	Electrolytic	
C736	95KUGAC101RV	J	100	16V	Electrolytic	AD
C737	95KUGCS331AA	J	330p	500V	Ceramic	AC
C738	95KUGAD152TS	J	1500	25V	Electrolytic	AG
C739	95KUGAB221RV	J	220	10V	Electrolytic	AD
C741	95KUGCS331AA	J	330p	500V	Ceramic	AC
C742	95KUGAD561TS	J	560	25V	Electrolytic	AF
C743	95KUGAD102JF	J	1000	25V	Electrolytic	AF
C744	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C745	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C746	95KUGAD101RX	J	100	25V	Electrolytic	AD
C747	95KUGAB101RY	J	100	10V	Electrolytic	AD
C748	95KUGCS102AA	J	1000p	500V	Ceramic	
C1701	95KUGFQ104FC	J	0.1	400V	Film	AF
C1702	95KUGCU681AK	J	680p	1kV	Ceramic	AD

CDENC0252CE01

POWER/BALLAST UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C1703	95KUGFQ225HA	J	0.22	400V	Film	AK
C1704	95KUGCU102BV	J	1000p	1kV	Ceramic	AC
C1705	95KUGZ0995ZZ	J	0.22	400V	Film	AH
C1706	95KUGZ0995ZZ	J	0.22	400V	Film	AH
C1707	95KUGFL103HQ	J	0.01	200V	Film	AD
C1708	95KUGAE101PB	J	100	35V	Electrolytic	AD
C1709	95KUGAD470PB	J	47	25V	Electrolytic	AD
C1710	95KUGAE101PB	J	100	35V	Electrolytic	AD
C1711	95KUGAE560TR	J	56	35V	Electrolytic	AD
C1745	95KUGFQ334FC	J	0.33	400V	Film	AG
C1746	95KUGFQ334FG	J	0.33	400V	Ceramic	AG
C1747	95KUGCU472BM	J	4700p	1kV	Ceramic	AC

RESISTORS

R102	95KUEEC102CH	J	1k	1/2W	Carbon	AB
R103	95KUEXCAS102	J	1k	1/10W	Chip	AB
R104	95KUEXCAS332	J	4.7k	1/10W	Chip	AB
R105	95KUEXCAS393	J	39k	1/10W	Chip	AB
R106	95KUEXCAS333	J	33k	1/10W	Chip	AB
R107	95KUEXCAS103	J	10k	1/10W	Chip	AB
R108	95KUEXCAS103	J	10k	1/10W	Chip	AB
R109	95KUEXCAS103	J	10k	1/10W	Chip	AB
R110	95KUEXCAS272	J	2.7k	1/10W	Chip	AB
R111	95KUEXCAS331	J	330	1/10W	Chip	AB
R112	95KUEXCAS105	J	1M	1/10W	Chip	AB
R114	95KUEYAT2552	J	20k	1/10W	Chip	AB
R118	95KUEXCAS272	J	2.7k	1/10W	Chip	AB
R119	95KUEXCAU221	J	220	1/10W	Chip	AB
R120	95KUEXCAS102	J	1k	1/10W	Chip	AB
R121	95KUEEB472DC	J	4.7k	1/4W	Carbon	AB
R122	95KUEXCAS103	J	10k	1/10W	Chip	AB
R123	95KUEXCAS103	J	10k	1/10W	Chip	AB
R124	95KUEEB222DC	J	2.2k	1/4W	Carbon	AB
R128	95KUEXCAS102	J	1k	1/10W	Chip	AB
R129	95KUEXCAS222	J	2.2k	1/10W	Chip	AB
R130	95KUEXCAS103	J	10k	1/10W	Chip	AB
R131	95KUEEB103DC	J	10k	1/4W	Carbon	AB
R132	95KUEXCAS472	J	4.7k	1/10W	Chip	AB
R133	95KUEXCAS472	J	4.7k	1/10W	Chip	AB
R134	95KUEXCAS103	J	10k	1/10W	Chip	AB
R135	95KUEXCAS103	J	10k	1/10W	Chip	AB
R136	95KUEXCAS102	J	1k	1/10W	Chip	AB
R137	95KUEXCAS103	J	10k	1/10W	Chip	AB
R138	95KUEXCAS223	J	22k	1/10W	Chip	AB
R139	95KUEXCAS472	J	4.7k	1/10W	Chip	AB
R140	95KUEXCAU682	J	6.8k	1/10W	Chip	AB
R141	95KUEXCAU471	J	470	1/10W	Chip	AB
R142	95KUEEB103DC	J	10k	1/4W	Carbon	AB
R143	95KUEEB103DC	J	10k	1/4W	Carbon	AB
R144	95KUEXCAS103	J	10k	1/10W	Chip	AB
R703	95KUEZ0259ZZ	J	Thermistor	3D-22		AP
R706	95KUEEC224CH	J	220k	1/2W	Carbon	AB
R707	95KUEEC224CH	J	220k	1/2W	Carbon	AB
R708	95KUEFD273CF	J	27k	1W	Metal Film	AC
R709	95KUEFD273CF	J	27k	1W	Metal Film	AC
R710	95KUEFD273CF	J	27k	1W	Metal Film	AC
R711	95KUEFD104BU	J	100k	1W	Metal Film	AC
R712	95KUEFD104BU	J	100k	1W	Metal Film	AC
R713	95KUEFF154BU	J	150k	3W	Metal Film	
R715	95KUEFDR33DB	J	0.33	1W	Metal Film	AC
R716	95KUEXDAK183	J	18k	1/8W	Chip	AB
R717	95KUEEB471DC	J	470	1/4W	Carbon	AB
R718	95KUEXDAK104	J	100k	1/8W	Chip	AB
R719	95KUEEB181DC	J	180	1/4W	Carbon	AB
R720	95KUES3901CS	J	3.9k	1/4W	Precision Res	AB
R721	95KUEXCAS103	J	10k	1/4W	Chip	AB
R722	95KUEXCAS102	J	1k	1/10W	Chip	AB
R723	95KUEEB103DC	J	10k	1/4W	Carbon	AB
R724	95KUEEB331DC	J	330	1/4W	Carbon	AB
R725	95KUEEB101DC	J	100	1/4W	Carbon	AB
R726	95KUEBC470AG	J	47	1/2W	Fuse Resistor	
R727	95KUEBD1R0AF	J	1	1W	Fuse Resistor	AE
R728	95KUEEC122CH	J	1.2k	1/2W	Carbon	AB
R729	95KUEEB473DC	J	47k	1/4W	Carbon	AB
R730	95KUEEC102CH	J	1k	1/2W	Carbon	AB
R731	95KUEXDAK221	J	220	1/8W	Chip	AB
R732	95KUEXDAK221	J	220	1/8W	Chip	AB
R733	95KUEXCAS472	J	4.7k	1/10W	Chip	AB
R734	95KUEXCAS122	J	1.2k	1/10W	Chip	AB
R736	95KUEXCAS222	J	2.2k	1/10W	Chip	AB
R737	95KUEBB1R0AN	J	1	1/4W	Fuse Resistor	
R738	95KUEEC561CH	J	560	1/2W	Carbon	AB
R739	95KUEYAQ4701	J	4.7k	1/10W	Precision Res	AC
R740	95KUEYAQ1501	J	1.5k	1/10W	Precision Res	AC
R741	95KUEEC222CH	J	2.2k	1/2W	Carbon	AB
R742	95KUEXCAS102	J	1k	1/10W	Chip	AB
R743	95KUEEC122CH	J	1.2k	1/2W	Carbon	AB
R745	95KUEFER47CW	J	0.47	1W	Metal Film	AC
R746	95KUEXCAS102	J	1k	1/10W	Chip	AB
R748	95KUEEC152CH	J	1.5k	1/2W	Carbon	AB
R749	95KUEXCAS392	J	3.9k	1/10W	Chip	AB
R750	95KUEXCAS103	J	10k	1/10W	Chip	AB
R752	95KUEXCAS223	J	22k	1/10W	Chip	AB
R753	95KUEZ0486ZZ	J	Thermistor			AH
R754	95KUEXCAS471	J	470	1/10W	Chip	AB
R755	95KUEXCAS822	J	8.2k	1/10W	Chip	AB
R756	95KUEXCAS102	J	1k	1/10W	Chip	AB
R757	95KUEXCAS273	J	27k	1/10W	Chip	AC
R758	95KUEXCAS123	J	12k	1/10W	Chip	AB
R759	95KUEXCAS103	J	10k	1/10W	Chip	AB
R760	95KUEAE8R2AD	J	8.2	2W	Fuse Resistor	AF
R761	95KUEXCAS102	J	1k	1/10W	Chip	AB
R762	95KUEXCAS103	J	10k	1/10W	Chip	AB
R763	95KUEXCAS103	J	10k	1/10W	Chip	AB
R764	95KUEYAQ3901	J	3.9k	1/10W	Precision Res	AC
R765	95KUEYAQ1501	J	1.5k	1/10W	Precision Res	AC
R1701	95KUES1001CS	J	1k	1/4W	Precision Res	
R1702	95KUES1001CS	J	1k	1/4W	Precision Res	
R1703	95KUEFD220BH	J	22	1W	Metal Film	AB

CDENC0252CE01

POWER/BALLAST UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
R1704	95KUEEB102DC	J	1k	1/4W	Carbon	AC
R1705	95KUEEB102DC	J	1k	1/4W	Carbon	AC
R1706	95KUEFD220BH	J	22	1W	Metal Film	AB
R1707	95KUEGER10AS	J	0.1	2W	Cement	AD
R1708	95KUEGER10AS	J	0.1	2W	Cement	AD
R1709	95KUEGER10AS	J	0.1	2W	Cement	AD
R1710	95KUEFE223CA	J	22k	2W	Metal Film	AD
R1711	95KUEFE223CA	J	22k	2W	Metal Film	AD
R1712	95KUEFE183CA	J	18k	2W	Metal Film	AD
R1713	95KUEFE183CA	J	18k	2W	Metal Film	AD
R1714	95KUES6803CQ	J	680k	1/2W	Precision Res	AD
R1715	95KUES2703CQ	J	270k	1/2W	Precision Res	AD
R1716	95KUES4702CQ	J	47k	1/2W	Precision Res	AC
R1717	95KUEEB331DC	J	330	1/4W	Carbon	AB
R1718	95KUEEB333DC	J	33k	1/4W	Carbon	AB
R1719	95KUEEB102DC	J	1k	1/4W	Carbon	AC
R1720	95KUEEB102DC	J	1k	1/4W	Carbon	AC
R1721	95KUEEB271DC	J	270	1/4W	Carbon	AB
R1722	95KUEEC332CH	J	3.3k	1/2W	Carbon	AB
R1723	95KUEFD333BH	J	33k	1W	Metal Film	AC
R1724	95KUEEB103DC	J	10k	1/4W	Carbon	AB
R1725	95KUEEB820DC	J	82	1/4W	Carbon	AB
R1726	95KUEEB102DC	J	1k	1/4W	Carbon	AC
R1727	95KUEEB562DC	J	5.6k	1/4W	Carbon	AB
R1728	95KUEEC473CH	J	47k	1/2W	Carbon	AB
R1729	95KUEEC473CH	J	47k	1/2W	Carbon	AB
R1730	95KUEEC223CH	J	22k	1/2W	Carbon	AB
R1731	95KUEEC183CH	J	18k	1/2W	Carbon	AB
R1732	95KUEEC273CH	J	27k	1/2W	Carbon	AB
R1733	95KUEEC183CH	J	18k	1/2W	Carbon	AB
R1734	95KUEBB2R2AY	J	1	1/4W	Fuse Resistor	AD
R1735	95KUEEB471DC	J	470	1/4W	Carbon	

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ ICP701	95KPJCTR5001	J	Fuse 5A 125V	AF
⚠ ICP702	95KPJCTR5001	J	Fuse 5A 125V	AF
⚠ ICP703	95KPJCTR5001	J	Fuse 5A 125V	AF
F1701	95KPJT0160ZZ	J	Fuse P130A	AF
FB701	95KUKY0014AZ	J	Ferrite Bead (Chip)	AD
FB1701	95KUKZ0334ZZ	J	Ferrite Bead	AB
FB1702	95KUKZ0828ZZ	J	Ferrite Bead	AC
FB1703	95KUKZ0828ZZ	J	Ferrite Bead	AC
FB1704	95KUKZ0334ZZ	J	Ferrite Bead	AB
FB1705	95KUKZ0828ZZ	J	Ferrite Bead	AC
FB1706	95KUKZ0828ZZ	J	Ferrite Bead	AC
FB1709	95KBFZ89250Z	J	Ferrite Bead	AB
FB1710	95KBFZ89250Z	J	Ferrite Bead	AB
FB1711	95KBFZ89250Z	J	Ferrite Bead	AB
FB1712	95KBFZ89250Z	J	Ferrite Bead	AB
FB1713	95KBFZ89250Z	J	Ferrite Bead	AB
FB1714	95KBFZ89250Z	J	Ferrite Bead	AB
FB1716	95KBFZ89250Z	J	Ferrite Bead	AB
FB1717	95KBFZ89250Z	J	Ferrite Bead	AB

Ref. No.	Part No.	★	Description	Code
FH1	95KPZZ0668ZZ	J	Fuse Holder	AB
⚠ RY701	95KPHZ0132ZZ	J	Relay G5PE-1 (DC12V)	AN
CN101A	95KPKZ2526ZZ	J	Connector 7-pin	AD
CN101B	95KPEZ0047ZZ	J	Connector 7-pin	AD
CN102A	95KPKZ2526ZZ	J	Connector 7-pin	AD
CN102B	95KPEZ0047ZZ	J	Connector 7-pin	AD
CN701	95KECB7761ZZ	J	Base Pin	AU
CN702	QCNW-4764CEZZ	J	Connecting Wire	AK
CN703	QCNW-4708CEZZ	J	Connecting Wire	AN
CN704	QCNW-4786CEZZ	J	Connecting Wire	AF
MT1	95KLRZ5820ZR	J	Heat Sink	AF
MT2	95KLRZ6385ZR	J	Heat Sink	AF
MT3	95KLRZ6460ZP	J	Heat Sink	AK
MT4	95KLRZ6324ZP	J	Heat Sink	AE
MT5	95KLRZ6338ZP	J	Heat Sink	AR
MT6	LANGQ1322CEFW	J	Angle	AH
MT7	LANGH0138CEFW	J	Angle	AD
MT8	95KLRH5078ZN	J	Heat Sink	AG
MT9	95KLRZ6342ZR	J	Heat Sink	AH
MT10	95KLRZ6384ZR	J	Heat Sink	
MD1	95KZBA0263ZZ	J	Holder	
MD2	PDUC-0067CEKZ	J	Duct	
FA1	95KZBA0265ZZ	J	Fan	

CPCi-0023CE01
PC I/F UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC1	9DK001-10051	J	HA64F3334F	BL
IC2	9DK001-15035	J	PST600CMT	AM
IC3	9DK001-11014	J	M24C64-WMN6	AZ
IC4	9DK001-15052	J	M52722SP	AX
IC5	9DK001-15027	J	NJM3403V	AQ
IC9	9DK001-15048	J	CXA3026Q	BR
IC10	9DK001-15048	J	CXA3026Q	BR
IC11	9DK001-15048	J	CXA3026Q	BR
IC12	9DK001-15051	J	M62352FP	AS
IC13	9DK001-15053	J	TL431CPS	AL
IC14	9DK001-15027	J	NJM3403V	AQ
IC15	9DK001-15028	J	ICS1522M	BS
IC20	RH-iX3083CEZZ	J	I.C.	CQ
IC25	RH-iX3082CEZZ	J	I.C.	BR
IC26	9DK001-15054	J	TLC2933PW	AX
IC29	9DK001-15027	J	NJM3403V	AQ
IC30	9DK001-15050	J	MB40950PFQ	BF
IC31	9DK001-15050	J	MB40950PFQ	BF
IC32	9DK001-15050	J	MB40950PFQ	BF
IC36	RH-iX3110CEZZ	J	I.C.	AX
IC37	RH-iX2962CEZZ	J	I.C.	BA
IC40	9DK001-15038	J	PQ05TZ11	AR
IC41	9DK001-15046	J	PQ12TZ51	AR
IC42	9DK001-15038	J	PQ05TZ11	AR
IC43	9DK001-15038	J	PQ05TZ11	AR
IC44	9DK001-15045	J	NJU7211U20	AM
IC46	9DK001-15047	J	PQ3RF23	AT
IC54	9DK001-15050	J	MC74F08M	BF

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q1	9Dk001-20010	J	2SC2859O	AF
Q4	9Dk001-20010	J	2SC2859O	AF
Q8	9DK001-20009	J	2SA1162GR	AF
Q9	9DK001-20010	J	2SC2859O	AF
Q10	9DK001-20010	J	2SC2859O	AF
Q11	9DK001-20010	J	2SC2859O	AF
Q12	9DK001-20010	J	2SC2859O	AF
Q13	9DK001-20009	J	2SA1162GR	AF
Q14	9DK001-20021	J	2SA1245	AM
Q15	9DK001-20021	J	2SA1245	AM
Q16	9DK001-20021	J	2SA1245	AM
Q17	9DK001-20021	J	2SA1245	AM
Q18	9DK001-20021	J	2SA1245	AM
Q19	9DK001-20021	J	2SA1245	AM
Q20	9DK001-20021	J	2SA1245	AM
Q21	9DK001-20021	J	2SA1245	AM
Q22	9DK001-20021	J	2SA1245	AM
Q23	9DK001-20021	J	2SA1245	AM
Q24	9DK001-20021	J	2SA1245	AM
Q25	9DK001-20021	J	2SA1245	AM

DIODES

Ref. No.	Part No.	★	Description	Code
D1	9DK001-30007	J	Diode 1SS319	AH
D8	9DK001-30008	J	Zener Diode 02CZ47	AE
D9	9DK001-30008	J	Zener Diode 02CZ47	AE
D10	9DK001-30008	J	Zener Diode 02CZ47	AE

PACKAGED CIRCUIT

Ref. No.	Part No.	★	Description	Code
X2	9DK001-80010	J	Crystal, 10MHz	

COILS

Ref. No.	Part No.	★	Description	Code
FL1	9DK001-82012	J	Filter, NFM61R10T102	AK
FL3	9DK001-82012	J	Filter, NFM61R10T102	AK

CAPACITORS

Ref. No.	Part No.	★				Code
C1	9DK001-42069	J	0.1	25V	Ceramic	AB
C2	9DK001-42069	J	0.1	25V	Ceramic	AB
C3	9DK001-42069	J	0.1	25V	Ceramic	AB
C4	9DK001-42069	J	0.1	25V	Ceramic	AB
C5	9DK001-42068	J	0.01	50V	Ceramic	AC
C6	9DK001-42070	J	1	16V	Ceramic	AD
C7	9DK001-42068	J	0.01	50V	Ceramic	AC
C8	9DK001-42070	J	1	16V	Ceramic	AD
C9	9DK001-42069	J	0.1	25V	Ceramic	AB
C11	9DK001-42069	J	0.1	25V	Ceramic	AB
C12	9DK001-40052	J	47	16V	Electrolytic	AV
C13	9DK001-40052	J	47	16V	Electrolytic	AV
C14	9DK001-40067	J	10	16V	Electrolytic	AF
C15	9DK001-42068	J	0.01	50V	Ceramic	AC
C16	9DK001-40067	J	10	16V	Electrolytic	AF
C17	9DK001-42068	J	0.01	50V	Ceramic	AC
C18	9DK001-40067	J	10	16V	Electrolytic	AF
C19	9DK001-42068	J	0.01	50V	Ceramic	AC
C20	9DK001-42069	J	0.1	25V	Ceramic	AB
C21	9DK001-42069	J	0.1	25V	Ceramic	AB
C22	9DK001-42069	J	0.1	25V	Ceramic	AB
C23	9DK001-42069	J	0.1	25V	Ceramic	AB
C24	9DK001-42069	J	0.1	25V	Ceramic	AB
C25	9DK001-42069	J	0.1	25V	Ceramic	AB
C26	9DK001-42069	J	0.1	25V	Ceramic	AB
C27	9DK001-40066	J	2.2	35V	Electrolytic	AF
C28	9DK001-42069	J	0.1	25V	Ceramic	AB
C29	9DK001-40066	J	2.2	35V	Electrolytic	AF
C30	9DK001-42069	J	0.1	25V	Ceramic	AB
C31	9DK001-40066	J	2.2	35V	Electrolytic	AF
C32	9DK001-42069	J	0.1	25V	Ceramic	AB
C33	9DK001-40052	J	47	16V	Electrolytic	AV
C38	9DK001-42069	J	0.1	25V	Ceramic	AB
C39	9DK001-42069	J	0.1	25V	Ceramic	AB
C40	9DK001-42069	J	0.1	25V	Ceramic	AB
C41	9DK001-42069	J	0.1	25V	Ceramic	AB
C42	9DK001-42069	J	0.1	25V	Ceramic	AB
C43	9DK001-42069	J	0.1	25V	Ceramic	AB
C44	9DK001-42069	J	0.1	25V	Ceramic	AB
C45	9DK001-40065	J	1	50V	Electrolytic	AF
C46	9DK001-42069	J	0.1	25V	Ceramic	AB
C47	9DK001-42069	J	0.1	25V	Ceramic	AB

CPCi-0023CE01
PC I/F UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C48	9DK001-42069	J	0.1	25V	Ceramic	AB
C49	9DK001-42069	J	0.1	25V	Ceramic	AB
C50	9DK001-40065	J	1	50V	Electrolytic	AF
C51	9DK001-42069	J	0.1	25V	Ceramic	AB
C52	9DK001-40065	J	1	50V	Electrolytic	AF
C53	9DK001-42069	J	0.1	25V	Ceramic	AB
C54	9DK001-42069	J	0.1	25V	Ceramic	AB
C55	9DK001-42069	J	0.1	25V	Ceramic	AB
C56	9DK001-42069	J	0.1	25V	Ceramic	AB
C57	9DK001-40065	J	1	50V	Electrolytic	AF
C58	9DK001-42069	J	0.1	25V	Ceramic	AB
C59	9DK001-40065	J	1	50V	Electrolytic	AF
C60	9DK001-42069	J	0.1	25V	Ceramic	AB
C61	9DK001-42069	J	0.1	25V	Ceramic	AB
C62	9DK001-42069	J	0.1	25V	Ceramic	AB
C63	9DK001-42069	J	0.1	25V	Ceramic	AB
C64	9DK001-40065	J	1	50V	Electrolytic	AF
C65	9DK001-42069	J	0.1	25V	Ceramic	AB
C66	9DK001-42069	J	0.1	25V	Ceramic	AB
C67	9DK001-42069	J	0.1	25V	Ceramic	AB
C68	9DK001-40067	J	10	16V	Electrolytic	AF
C69	9DK001-42069	J	0.1	25V	Ceramic	AB
C70	9DK001-42069	J	0.1	25V	Ceramic	AB
C71	9DK001-42069	J	0.1	25V	Ceramic	AB
C72	9DK001-42069	J	0.1	25V	Ceramic	AB
C73	9DK001-40067	J	10	16V	Electrolytic	AF
C74	9DK001-42069	J	0.1	25V	Ceramic	AB
C75	9DK001-42069	J	0.1	25V	Ceramic	AB
C76	9DK001-40067	J	10	16V	Electrolytic	AF
C77	9DK001-42069	J	0.1	25V	Ceramic	AB
C78	9DK001-42069	J	0.1	25V	Ceramic	AB
C79	9DK001-42069	J	0.1	25V	Ceramic	AB
C80	9DK001-42069	J	0.1	25V	Ceramic	AB
C81	9DK001-40067	J	10	16V	Electrolytic	AF
C82	9DK001-42069	J	0.1	25V	Ceramic	AB
C83	9DK001-42069	J	0.1	25V	Ceramic	AB
C84	9DK001-40067	J	10	16V	Electrolytic	AF
C85	9DK001-42069	J	0.1	25V	Ceramic	AB
C86	9DK001-42069	J	0.1	25V	Ceramic	AB
C87	9DK001-42069	J	0.1	25V	Ceramic	AB
C88	9DK001-42069	J	0.1	25V	Ceramic	AB
C89	9DK001-40067	J	10	16V	Electrolytic	AF
C90	9DK001-42087	J	2200p	50V	Ceramic	AC
C91	9DK001-42086	J	200p	50V	Ceramic	AC
C92	9DK001-40067	J	10	16V	Electrolytic	AF
C93	9DK001-42069	J	0.1	25V	Ceramic	AB
C94	9DK001-40067	J	10	16V	Electrolytic	AF
C95	9DK001-42069	J	0.1	25V	Ceramic	AB
C96	9DK001-42069	J	0.1	25V	Ceramic	AB
C97	9DK001-42069	J	0.1	25V	Ceramic	AB
C98	9DK001-42069	J	0.1	25V	Ceramic	AB
C100	9DK001-42069	J	0.1	25V	Ceramic	AB
C101	9DK001-42069	J	0.1	25V	Ceramic	AB
C102	9DK001-42069	J	0.1	25V	Ceramic	AB
C103	9DK001-42069	J	0.1	25V	Ceramic	AB
C104	9DK001-42069	J	0.1	25V	Ceramic	AB
C105	9DK001-42069	J	0.1	25V	Ceramic	AB
C106	9DK001-42069	J	0.1	25V	Ceramic	AB
C107	9DK001-42069	J	0.1	25V	Ceramic	AB
C108	9DK001-42069	J	0.1	25V	Ceramic	AB
C109	9DK001-42069	J	0.1	25V	Ceramic	AB
C110	9DK001-42069	J	0.1	25V	Ceramic	AB
C111	9DK001-42069	J	0.1	25V	Ceramic	AB
C112	9DK001-42069	J	0.1	25V	Ceramic	AB
C113	9DK001-42069	J	0.1	25V	Ceramic	AB
C114	9DK001-42069	J	0.1	25V	Ceramic	AB
C115	9DK001-42069	J	0.1	25V	Ceramic	AB
C130	9DK001-42085	J	30p	50V	Ceramic	AC
C131	9DK001-42085	J	30p	50V	Ceramic	AC
C132	9DK001-42069	J	0.1	25V	Ceramic	AB
C133	9DK001-42069	J	0.1	25V	Ceramic	AB
C134	9DK001-42069	J	0.1	25V	Ceramic	AB
C135	9DK001-42069	J	0.1	25V	Ceramic	AB
C136	9DK001-42069	J	0.1	25V	Ceramic	AB
C137	9DK001-42069	J	0.1	25V	Ceramic	AB
C138	9DK001-42069	J	0.1	25V	Ceramic	AB
C139	9DK001-42069	J	0.1	25V	Ceramic	AB
C140	9DK001-42069	J	0.1	25V	Ceramic	AB
C141	9DK001-42069	J	0.1	25V	Ceramic	AB
C142	9DK001-42069	J	0.1	25V	Ceramic	AB
C143	9DK001-42069	J	0.1	25V	Ceramic	AB
C144	9DK001-43017	J	0.1	35V	Tantalum	AF
C145	9DK001-42069	J	0.1	25V	Ceramic	AB
C146	9DK001-42069	J	0.1	25V	Ceramic	AB
C150	9DK001-42069	J	0.1	25V	Ceramic	AB
C151	9DK001-42069	J	0.1	25V	Ceramic	AB
C152	9DK001-42069	J	0.1	25V	Ceramic	AB
C153	9DK001-42069	J	0.1	25V	Ceramic	AB
C154	9DK001-42069	J	0.1	25V	Ceramic	AB
C155	9DK001-42069	J	0.1	25V	Ceramic	AB
C156	9DK001-42069	J	0.1	25V	Ceramic	AB
C157	9DK001-42069	J	0.1	25V	Ceramic	AB
C158	9DK001-42069	J	0.1	25V	Ceramic	AB
C159	9DK001-42069	J	0.1	25V	Ceramic	AB
C160	9DK001-42069	J	0.1	25V	Ceramic	AB
C161	9DK001-42069	J	0.1	25V	Ceramic	AB
C205	9DK001-42069	J	0.1	25V	Ceramic	AB
C206	9DK001-42069	J	0.1	25V	Ceramic	AB
C207	9DK001-42069	J	0.1	25V	Ceramic	AB
C208	9DK001-40067	J	10	16V	Electrolytic	AF
C210	9DK001-42069	J	0.1	25V	Ceramic	AB
C220	9DK001-42069	J	0.1	25V	Ceramic	AB
C221	9DK001-42069	J	0.1	25V	Ceramic	AB
C232	9DK001-42069	J	0.1	25V	Ceramic	AB
C233	9DK001-42069	J	0.1	25V	Ceramic	AB
C234	9DK001-40070	J	100	16V	Electrolytic	AH
C235	9DK001-40071	J	100	25V	Electrolytic	AG
C236	9DK001-42069	J	0.1	25V	Ceramic	AB
C237	9DK001-42069	J	0.1	25V	Ceramic	AB

CPCi-0023CE01
PC I/F UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
C238	9DK001-42070	J	100	16V	Electrolytic	AD
C239	9DK001-42070	J	100	16V	Electrolytic	AD
C240	9DK001-42069	J	0.1	25V	Ceramic	AB
C241	9DK001-42069	J	0.1	25V	Ceramic	AB
C242	9DK001-40070	J	100	16V	Electrolytic	AH
C243	9DK001-40070	J	100	16V	Electrolytic	AH
C244	9DK001-42069	J	0.1	25V	Ceramic	AB
C245	9DK001-42069	J	0.1	25V	Ceramic	AB
C246	9DK001-40070	J	100	16V	Electrolytic	AH
C247	9DK001-40070	J	100	16V	Electrolytic	AH
C248	9DK001-42069	J	0.1	25V	Ceramic	AB
C249	9DK001-42069	J	0.1	25V	Ceramic	AB
C250	9DK001-40068	J	22	16V	Electrolytic	AG
C253	9DK001-42069	J	0.1	25V	Ceramic	AB
C254	9DK001-40070	J	100	16V	Electrolytic	AH
C256	9DK001-40070	J	100	16V	Electrolytic	AH
C257	9DK001-42069	J	0.1	25V	Ceramic	AB
C266	9DK001-42069	J	0.1	25V	Ceramic	AB
C267	9DK001-42069	J	0.1	25V	Ceramic	AB
C268	9DK001-40067	J	10	16V	Electrolytic	AF
C269	9DK001-40067	J	10	16V	Electrolytic	AF
C270	9DK001-40067	J	10	16V	Electrolytic	AF
C271	9DK001-40067	J	10	16V	Electrolytic	AF
C272	9DK001-42083	J	5p	50V	Ceramic	AC
C273		J	10p		Ceramic	
C274		J	0.1		Ceramic	
C275	9DK001-42069	J	0.1	25V	Ceramic	AB
C276	9DK001-42069	J	0.1	25V	Ceramic	AB
C277	9DK001-40067	J	10	16V	Electrolytic	AF
C278	9DK001-42069	J	0.1	25V	Ceramic	AB
C279	9DK001-40067	J	10	16V	Electrolytic	AF
C280	9DK001-42069	J	0.1	25V	Ceramic	AB
C281	9DK001-42069	J	0.1	25V	Ceramic	AB
C282	9DK001-42069	J	0.1	25V	Ceramic	AB
C283	9DK001-42069	J	0.1	25V	Ceramic	AB
C285	9DK001-42069	J	0.1	25V	Ceramic	AB
C288	9DK001-42084	J	22p	50V	Ceramic	AC
C289	9DK001-40069	J	100	6.3V	Electrolytic	AB
C290	9DK001-40069	J	100	6.3V	Electrolytic	AB
C291	9DK001-42069	J	0.1	25V	Ceramic	AB
C292	9DK001-42069	J	0.1	25V	Ceramic	AB
C293	9DK001-42085	J	30p	50V	Ceramic	AC
C295	9DK001-42085	J	30p	50V	Ceramic	AC
C999	9DK001-40067	J	10	16V	Electrolytic	AF

RESISTORS

Ref. No.	Part No.	★			Description	Code
R1	9DK001-50098	J	22k	1/10W	Chip	AB
R2	9DK001-50146	J	4.7k	1/10W	Chip	AB
R3	9DK001-50146	J	4.7k	1/10W	Chip	AB
R4	9DK001-50146	J	4.7k	1/10W	Chip	AB
R5	9DK001-50146	J	4.7k	1/10W	Chip	AB
R6	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R7	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R9	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R10	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R11	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R12	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R13	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R14	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R15	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R17	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R18	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R20	9DK001-50048	J	3.3k	1/10W	Chip	AB
R21	9DK001-50048	J	3.3k	1/10W	Chip	AB
R22	9DK001-50082	J	100	1/10W	Chip	AB
R23	9DK001-50082	J	100	1/10W	Chip	AB
R24	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R25	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R26	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R27	9DK001-50096	J	10k	1/10W	Chip	AB
R28	9DK001-50141	J	22	1/10W	Chip	AB
R29	9DK001-50141	J	22	1/10W	Chip	AB
R30	9DK001-50141	J	22	1/10W	Chip	AB
R31	9DK001-50104	J	330	1/10W	Chip	AB
R32	9DK001-50104	J	330	1/10W	Chip	AB
R33	9DK001-50104	J	330	1/10W	Chip	AB
R40	9DK001-50121	J	10	1/10W	Chip	AB
R41	9DK001-50121	J	10	1/10W	Chip	AB
R42	9DK001-50121	J	10	1/10W	Chip	AB
R43	9DK001-50082	J	100	1/10W	Chip	AB
R44	9DK001-50139	J	1.5k	1/10W	Precision Res.	AC
R45	9DK001-50140	J	3.3k	1/10W	Precision Res.	AC
R46	9DK001-50082	J	100	1/10W	Chip	AB
R47	9DK001-50082	J	100	1/10W	Chip	AB
R48	9DK001-50082	J	100	1/10W	Chip	AB
R49	9DK001-50048	J	3.3k	1/10W	Chip	AB
R50	9DK001-50091	J	2.2k	1/10W	Chip	AB
R51	9DK001-50048	J	3.3k	1/10W	Chip	AB
R52	9DK001-50048	J	3.3k	1/10W	Chip	AB
R53	9DK001-50048	J	3.3k	1/10W	Chip	AB
R54	9DK001-50145	J	820	1/10W	Chip	AB
R55	9DK001-50145	J	820	1/10W	Chip	AB
R56	9DK001-50145	J	820	1/10W	Chip	AB
R60	9DK001-50082	J	100	1/10W	Chip	AB
R61	9DK001-50082	J	100	1/10W	Chip	AB
R62	9DK001-50082	J	100	1/10W	Chip	AB
R63	9DK001-50044	J	68	1/10W	Chip	AB
R64	9DK001-50089	J	180	1/10W	Chip	AB
R65	9DK001-50044	J	68	1/10W	Chip	AB
R66	9DK001-50089	J	180	1/10W	Chip	AB
R67	9DK001-50091	J	2.2k	1/10W	Chip	AB
R68	9DK001-51029	J	10	1/16W	Resistor Array	AD
R69	9DK001-51029	J	10	1/16W	Resistor Array	AD
R70	9DK001-51029	J	10	1/16W	Resistor Array	AD
R71	9DK001-51029	J	10	1/16W	Resistor Array	AD
R72	9DK001-51029	J	10	1/16W	Resistor Array	AD
R73	9DK001-51029	J	10	1/16W	Resistor Array	AD
R74	9DK001-51029	J	10	1/16W	Resistor Array	AD

CPCi-0023CE01
PC I/F UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
R75	9DK001-51029	J	10	1/16W	Resistor Array	AD
R76	9DK001-51029	J	10	1/16W	Resistor Array	AD
R77	9DK001-51029	J	10	1/16W	Resistor Array	AD
R78	9DK001-51029	J	10	1/16W	Resistor Array	AD
R79	9DK001-51029	J	10	1/16W	Resistor Array	AD
R80	9DK001-50142	J	47	1/10W	Chip	AB
R81	9DK001-50142	J	47	1/10W	Chip	AB
R82	9DK001-50142	J	47	1/10W	Chip	AB
R83	9DK001-50148	J	130k	1/10W	Chip	AB
R84	9DK001-50096	J	10k	1/10W	Chip	AB
R85	9DK001-50125	J	430	1/10W	Chip	AB
R86	9DK001-50096	J	10k	1/10W	Chip	AB
R87	9DK001-50096	J	10k	1/10W	Chip	AB
R88	9DK001-50096	J	10k	1/10W	Chip	AB
R89	9DK001-50096	J	10k	1/10W	Chip	AB
R90	9DK001-50096	J	10k	1/10W	Chip	AB
R91	9DK001-50096	J	10k	1/10W	Chip	AB
R92	9DK001-50096	J	10k	1/10W	Chip	AB
R93	9DK001-50082	J	100	1/10W	Chip	AB
R94	9DK001-50082	J	100	1/10W	Chip	AB
R95	9DK001-51029	J	10	1/16W	Resistor Array	AD
R96	9DK001-51029	J	10	1/16W	Resistor Array	AD
R97	9DK001-51029	J	10	1/16W	Resistor Array	AD
R98	9DK001-51029	J	10	1/16W	Resistor Array	AD
R99	9DK001-51029	J	10	1/16W	Resistor Array	AD
R100	9DK001-51029	J	10	1/16W	Resistor Array	AD
R104	9DK001-51029	J	10	1/16W	Resistor Array	AD
R105	9DK001-51029	J	10	1/16W	Resistor Array	AD
R106	9DK001-51029	J	10	1/16W	Resistor Array	AD
R107	9DK001-51029	J	10	1/16W	Resistor Array	AD
R108	9DK001-51029	J	10	1/16W	Resistor Array	AD
R109	9DK001-51029	J	10	1/16W	Resistor Array	AD
R110	9DK001-50082	J	100	1/10W	Chip	AB
R111	9DK001-50082	J	100	1/10W	Chip	AB
R112	9DK001-50096	J	10k	1/10W	Chip	AB
R137	9DK001-50143	J	200	1/10W	Chip	AB
R138	9DK001-50068	J	1M	1/10W	Chip	AB
R139	9DK001-50110	J	0	1/10W	Jumper	AB
R146	9DK001-50121	J	10	1/10W	Chip	AB
R147	9DK001-50121	J	10	1/10W	Chip	AB
R150	9DK001-50043	J	56	1/10W	Chip	AB
R151	9DK001-50043	J	56	1/10W	Chip	AB
R153	9DK001-50043	J	56	1/10W	Chip	AB
R154	9DK001-50043	J	56	1/10W	Chip	AB
R155	9DK001-50043	J	56	1/10W	Chip	AB
R156	9DK001-50043	J	56	1/10W	Chip	AB
R159	9DK001-50043	J	56	1/10W	Chip	AB
R160	9DK001-50043	J	56	1/10W	Chip	AB
R162	9DK001-50092	J	2.7k	1/10W	Chip	AB
R163	9DK001-50103	J	270	1/10W	Chip	AB
R164	9DK001-50091	J	2.2k	1/10W	Chip	AB
R165	9DK001-50121	J	10	1/10W	Chip	AB
R167	9DK001-50121	J	10	1/10W	Chip	AB
R168	9DK001-50043	J	56	1/10W	Chip	AB
R169	9DK001-50043	J	56	1/10W	Chip	AB
R171	9DK001-50043	J	56	1/10W	Chip	AB
R172	9DK001-50043	J	56	1/10W	Chip	AB
R194	9DK001-50110	J	0	1/10W	Jumper	AB
R196	9DK001-50082	J	100	1/10W	Chip	AB
R197	9DK001-50130	J	6.2k	1/10W	Chip	
R198	9DK001-50102	J	220	1/10W	Chip	AB
R199	9DK001-50030	J	390	1/10W	Chip	
R200	9DK001-50030	J	390	1/10W	Chip	
R201	9DK001-50030	J	390	1/10W	Chip	
R202	9DK001-50030	J	390	1/10W	Chip	
R203	9DK001-50030	J	390	1/10W	Chip	
R205	9DK001-50043	J	56	1/10W	Chip	AB
R206	9DK001-50043	J	56	1/10W	Chip	AB
R207	9DK001-50043	J	56	1/10W	Chip	AB
R208	9DK001-50043	J	56	1/10W	Chip	AB
R209	9DK001-50043	J	56	1/10W	Chip	AB
R210	9DK001-50043	J	56	1/10W	Chip	AB
R213	9DK001-50043	J	56	1/10W	Chip	AB
R214	9DK001-50043	J	56	1/10W	Chip	AB
R215	9DK001-50096	J	10k	1/10W	Chip	AB
R216	9DK001-50096	J	10k	1/10W	Chip	AB
R217	9DK001-50096	J	10k	1/10W	Chip	AB
R218	9DK001-50096	J	10k	1/10W	Chip	AB
R219	9DK001-50062	J	1k	1/10W	Chip	AB
R220	9DK001-50104	J	330	1/10W	Chip	AB
R221	9DK001-50096	J	10k	1/10W	Chip	AB
R222	9DK001-50096	J	10k	1/10W	Chip	AB
R223	9DK001-50104	J	330	1/10W	Chip	AB
R224	9DK001-50096	J	10k	1/10W	Chip	AB
R225	9DK001-50026	J	47k	1/10W	Chip	AB
R229	9DK001-50096	J	10k	1/10W	Chip	AB
R240	9DK001-50082	J	100	1/10W	Chip	AB
R242	9DK001-50147	J	5.6k	1/10W	Chip	AB
R243	9DK001-50096	J	10k	1/10W	Chip	AB
R244	9DK001-50082	J	100	1/10W	Chip	AB
R245	9DK001-50110	J	0	1/10W	Chip	AB
R246	9DK001-50110	J	0	1/10W	Chip	AB
R247	9DK001-50110	J	0	1/10W	Chip	AB
R248	9DK001-50044	J	68	1/10W	Chip	AB
R249	9DK001-50089	J	180	1/10W	Chip	AB
R250	9DK001-50044	J	68	1/10W	Chip	AB
R251	9DK001-50089	J	180	1/10W	Chip	AB
R252	9DK001-50044	J	68	1/10W	Chip	AB
R253	9DK001-50089	J	180	1/10W	Chip	AB
R254	9DK001-50044	J	68	1/10W	Chip	AB
R255	9DK001-50089	J	180	1/10W	Chip	AB
R256	9DK001-50121	J	10	1/10W	Chip	AB
R257	9DK001-50121	J	10	1/10W	Chip	AB
R258	9DK001-50096	J	10k	1/10W	Chip	AB
R259	9DK001-50096	J	10k	1/10W	Chip	AB
R262	9DK001-50143	J	200	1/10W	Chip	AB
R263	9DK001-50143	J	200	1/10W	Chip	AB
R264	9DK001-50044	J	68	1/10W	Chip	AB
R265	9DK001-50121	J	10	1/10W	Chip	AB

CPCi-0023CE01
PC I/F UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R266	9DK001-50043	J	56 1/10W Chip	AB
R267	9DK001-50043	J	56 1/10W Chip	AB
R268	9DK001-50043	J	56 1/10W Chip	AB
R269	9DK001-50043	J	56 1/10W Chip	AB
R270	9DK001-50043	J	56 1/10W Chip	AB
R271	9DK001-50043	J	56 1/10W Chip	AB
R272	9DK001-50082	J	100 1/10W Chip	AB
R273	9DK001-50082	J	100 1/10W Chip	AB
R275	9DK001-51029	J	10 1/16W Resistor Array	AD
R276	9DK001-51029	J	10 1/16W Resistor Array	AD
R277	9DK001-51029	J	10 1/16W Resistor Array	AD
R278	9DK001-51029	J	10 1/16W Resistor Array	AD
R279	9DK001-51029	J	10 1/16W Resistor Array	AD
R280	9DK001-51029	J	10 1/16W Resistor Array	AD
R291	9DK001-50096	J	10k 1/10W Chip	AB
R292	9DK001-50121	J	10 1/10W Chip	AB
R293	9DK001-50121	J	10 1/10W Chip	AB
R294	9DK001-50121	J	10 1/10W Chip	AB
R295	9DK001-50096	J	10k 1/10W Chip	AB
R296	9DK001-50144	J	560 1/10W Chip	AB
R297	9DK001-50096	J	10k 1/10W Chip	AB
R298	9DK001-50096	J	10k 1/10W Chip	AB
R300	9DK001-50110	J	0 1/10W Jumper	AB
R302	9DK001-50082	J	100 1/10W Chip	AB
R303	9DK001-50082	J	100 1/10W Chip	AB
R304	9DK001-50075	J	75 1/4W Chip	AB
R305	9DK001-50075	J	75 1/4W Chip	AB
R306	9DK001-50075	J	75 1/4W Chip	AB
R307	9DK001-50089	J	180 1/10W Chip	AB
R309	9DK001-50062	J	1k 1/10W Chip	AB
R310	9DK001-50062	J	1k 1/10W Chip	AB
R311	9DK001-50096	J	10k 1/10W Chip	AB
R312	9DK001-50107	J	12k 1/10W Chip	AB
R313	9DK001-50082	J	100 1/10W Chip	AB
R314	9DK001-50118	J	470 1/10W Chip	AB
R315	9DK001-50110	J	0 1/10W Jumper	AB
R316	9DK001-50082	J	100 1/10W Chip	AB
R317	9DK001-50118	J	470 1/10W Chip	AB
R318	9DK001-50110	J	0 1/10W Jumper	AB
R319	9DK001-50082	J	100 1/10W Chip	AB
R320	9DK001-50118	J	470 1/10W Chip	AB
R321	9DK001-50110	J	0 1/10W Jumper	AB
R322	9DK001-50082	J	100 1/10W Chip	AB
R323	9DK001-50118	J	470 1/10W Chip	AB
R324	9DK001-50110	J	0 1/10W Jumper	AB
R325	9DK001-50082	J	100 1/10W Chip	AB
R326	9DK001-50118	J	470 1/10W Chip	AB
R327	9DK001-50110	J	0 1/10W Jumper	AB
R328	9DK001-50082	J	100 1/10W Chip	AB
R329	9DK001-50118	J	470 1/10W Chip	AB
R330	9DK001-50110	J	0 1/10W Jumper	AB
R331	9DK001-50121	J	10 1/10W Chip	AB
R332	9DK001-50121	J	10 1/10W Chip	AB
R333	9DK001-50120	J	82 1/10W Chip	AB
R334	9DK001-50121	J	10 1/10W Chip	AB

MISCELLANEOUS PARTS

SC102	9DK001-60030	J	Socket 60-Pin (TC2)	AT
SC103	9DK001-60030	J	Socket 60-Pin (TC3)	AT
SC104	9DK001-60033	J	Socket 3-Pin (CN5)	AG
SC105	9DK001-60033	J	Socket 3-Pin (CN6)	AG
SC106	9DK001-60033	J	Socket 3-Pin (CN7)	AG
P101	9DK001-60031	J	Pin Header 14-Pin (TC1)	AM
P105	9DK001-60032	J	Pin Header 8-Pin (FW)	AF
FB1	9DK001-81016	J	Inductor BLM21A121S	AG
FB2	9DK001-81016	J	Inductor BLM21A121S	AG
FB3	9DK001-81016	J	Inductor BLM21A121S	AG
FB4	9DK001-81016	J	Inductor BLM21A121S	AG
FB5	9DK001-81016	J	Inductor BLM21A121S	AG
FB6	9DK001-81016	J	Inductor BLM21A121S	AG
FB7	9DK001-81016	J	Inductor BLM21A121S	AG
FB8	9DK001-81016	J	Inductor BLM21A121S	AG
FB9	9DK001-81016	J	Inductor BLM21A121S	AG
FB10	9DK001-81016	J	Inductor BLM21A121S	AG
FB15	9DK001-81016	J	Inductor BLM21A121S	AG
FB16	9DK001-81044	J	Inductor BLM21B201S	
FB17	9DK001-81016	J	Inductor BLM21A121S	AG
FB18	9DK001-81043	J	Inductor BLM21B751S	
	9DK001-90021		Shield Case	AY
	9DK001-90020		Shield-Top	AS
	9DK001-90022		Shield-Bottom	AS

CPCi-0027CE01
PC I/F SUB 1 UNIT

TRANSISTORS

Q26	9DK001-20022	J	2SC2712Y	AD
Q27	9DK001-20022	J	2SC2712Y	AD
Q28	9DK001-20022	J	2SC2712Y	AD
Q29	9DK001-20015	J	2SC3735B35	AF
Q30	9DK001-20015	J	2SC3735B35	AF
Q31	9DK001-20015	J	2SC3735B35	AF

CAPACITORS

C301	9DK001-42069	J	0.1 25V Ceramic	AB
C302	9DK001-42069	J	0.1 25V Ceramic	AB

RESISTORS

R340	9DK001-50062	J	470 1/10W Chip	AB
R341	9DK001-50062	J	470 1/10W Chip	AB
R342	9DK001-50062	J	470 1/10W Chip	AB
R343	9DK001-50062	J	470 1/10W Chip	AB
R344	9DK001-50062	J	470 1/10W Chip	AB
R345	9DK001-50062	J	470 1/10W Chip	AB
R346	9DK001-50082	J	100 1/10W Chip	AB
R347	9DK001-50082	J	100 1/10W Chip	AB
R348	9DK001-50082	J	100 1/10W Chip	AB
R349	9DK001-50111	J	75 1/4W Chip	AB
R350	9DK001-50111	J	75 1/4W Chip	AB
R351	9DK001-50111	J	75 1/4W Chip	AB

CPCi-0028CE01
PC I/F SUB 2 UNIT

INTEGRATED CIRCUIT

IC55	RH-iX3119CEZZ	J	EPM7032LC44-7

CAPACITORS

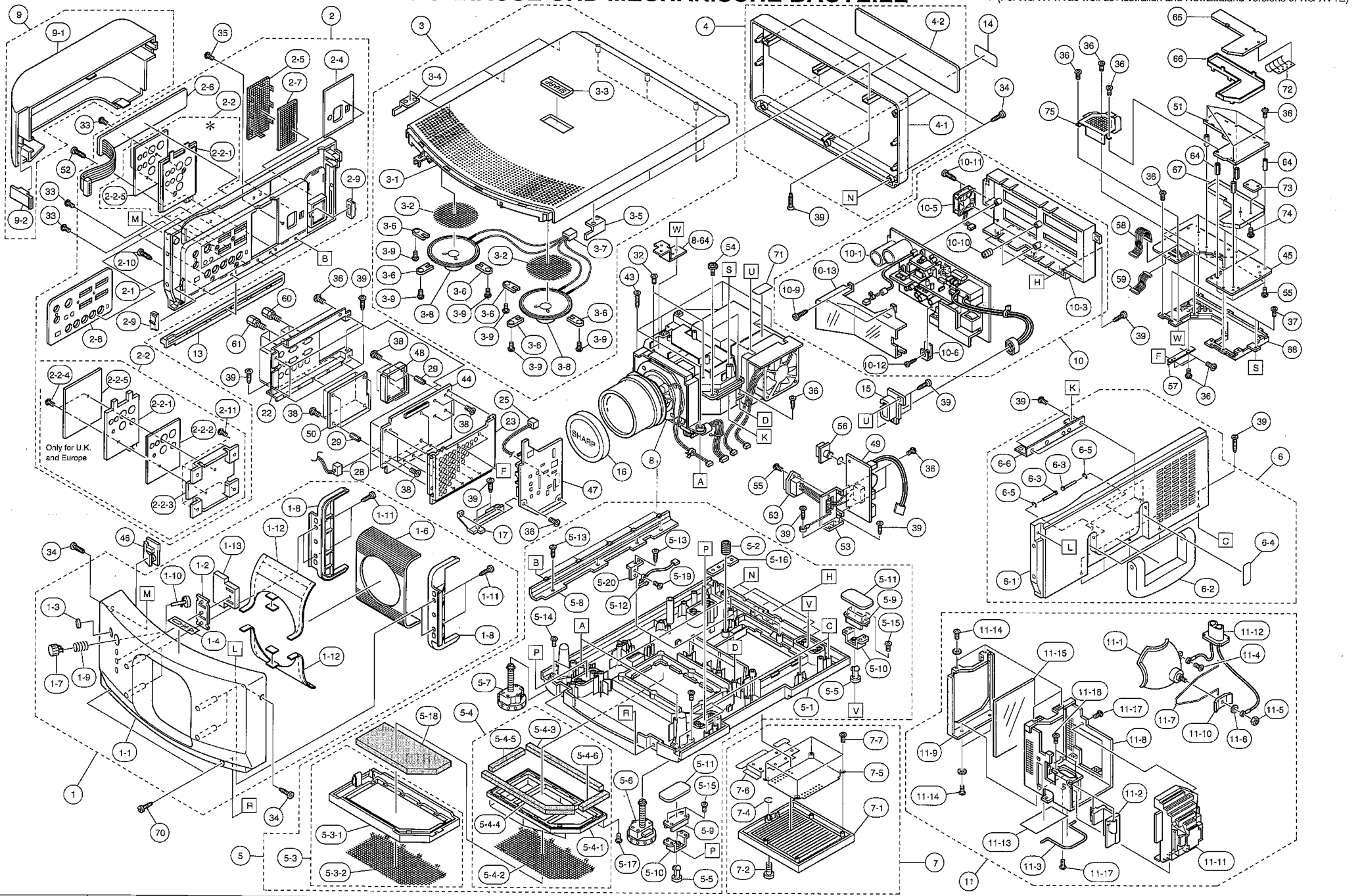
C303	9DK001-42069	J	0.1 25V Ceramic	AB
C304	9DK001-42069	J	0.1 25V Ceramic	AB
C305	9DK001-42069	J	0.1 25V Ceramic	AB
C306	9DK001-40067	J	10 16V Electrolytic	AF

MISCELLANEOUS PARTS

9DK001-60034	Connector 8-Pin (J1)	AH

CABINET AND MECHANICAL PARTS / GEHÄUSE UND MECHANISCHE BAUTEILE

* (For XG-XV1A as well as Australian and NewZealand versions of XG-XV1E)



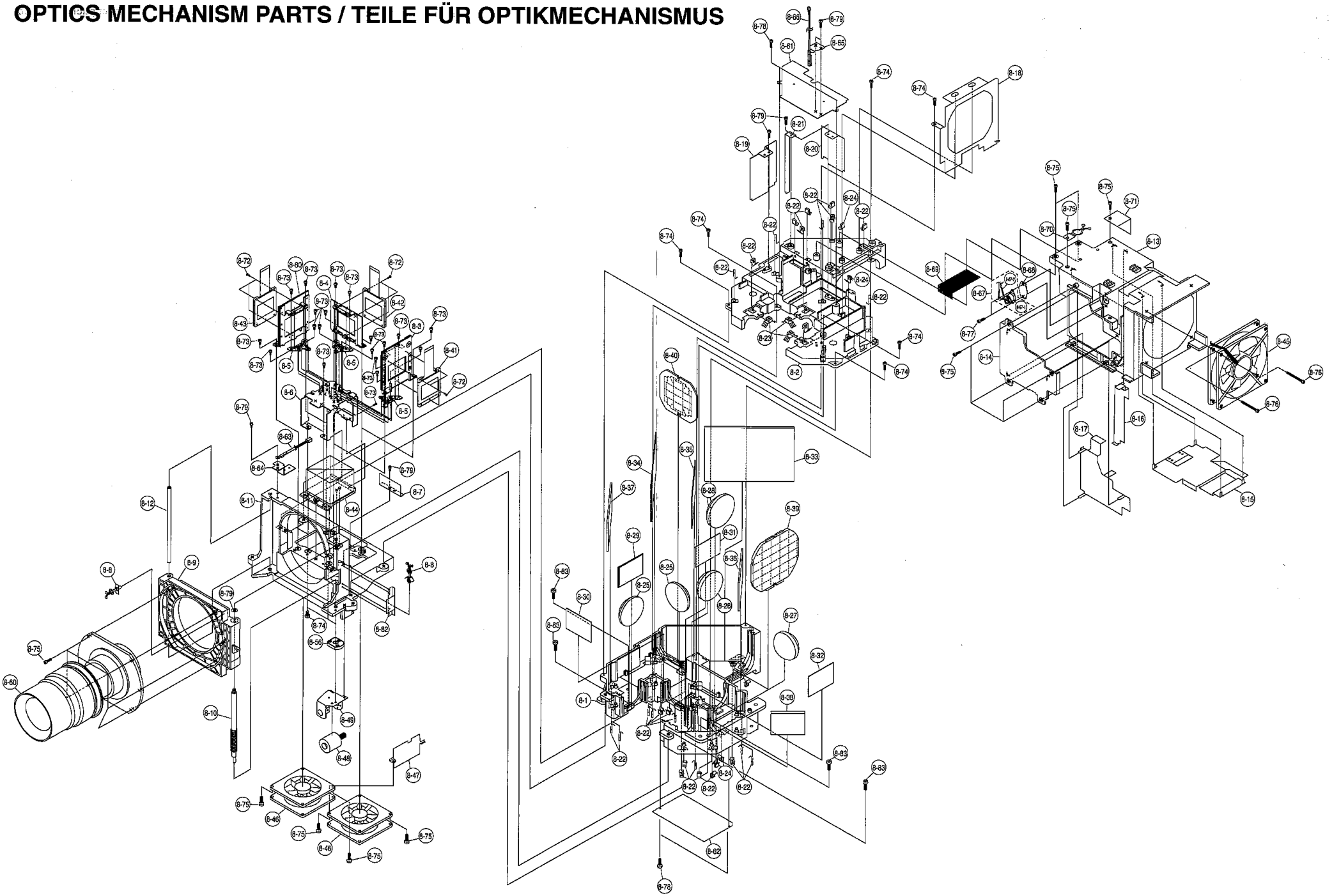
CABINET AND MECHANICAL PARTS

Ref. No.	Part No.	★	Description	Code
1	DBDYF1087CE02	J	Front Cabinet Ass'y	BK
1-1	*Not Available*	–	Front Cabinet	—
1-2	GCOVA1691CEKA	J	LED Cover	AD
1-3	GCOVA1692CEKA	J	R/C Cover	AD
1-4	HiNDP4637CESJ	J	Indicator	AD
1-6	GCOVH1303CEKA	J	Cover	AL
1-7	JBTN-1958CEKA	J	Button, Power	AD
1-8	LHLDZ2061CEKZ	J	Holder, x2	
1-9	MSPRC0146CEFW	J	Spring, Power Button	AC
1-10	PGiDM0017CE00	J	Guide, Button	AB
1-11	XEBSD40P12000	J	Screw, x4	AA
1-12	PCOVM9022CEZZ	J	Lens Shift Cover Ass'y, x2	AG
1-13	PMLT-0308CEZZ	J	Molt	AE
2	DBDYS1079CE01	J	Left-Side Cabinet Ass'y	BG
2-1	*Not Available*	–	Left-Side Cabinet	—
2-2	CCOVA1693CE08	J	Video Terminal Cover Ass'y (Only for U.K. and Europe)	
2-2	CCOVA1693CE06	J	Video Terminal Cover Ass'y (For XG-XV1A as well as Australian and NewZealand versions of XG-XV1E)	
2-2-1	*Not Available*	–	Video Terminal Cover	—
2-2-2	PSLDM4459CEFW	J	Shield	
2-2-3	PSLDM4415CEFW	J	Video Terminal Shield Holder	AH
2-2-4	LX-BZ3377CESA	J	Screw, x2	AC
2-2-5	HiNDP4943CESA	J	Video Terminal Indication Sheet (Only for U.K. and Europe)	AG
2-2-5	HiNDP5048CESB	J	Video Terminal Indication Sheet (Only for Australia and NewZealand)	
2-4	HiNDP4974CESA	J	AC Switch Indication Plate	AF
2-5	HPNC-0421CESA	J	Side Punching Plate	AM
2-6	QSW-Z0055CEZZ	J	Membrane Switch	BC
2-7	PFiLD0061CEZZ	J	Filter	AH
2-8	HiNDP4906CESA	J	Video Terminal Indication Plate	
2-9	GCOVH1300CEKA	J	Hole Cover, x2 AD	
2-10	XBBSD30P06000	J	Screw, x5	AA
2-11	XBPSD20P04000	J	Screw, x4	AA
3	CBDYT1084CE01	J	Top Cabinet Ass'y (XG-XV1E)	BP
3	CBDYT1084CE04	J	Top Cabinet Ass'y (XG-XV1A)	
3-1	*Not Available*	–	Top Cabinet	—
3-2	GNETC0106CEZZ	J	Speaker Net, x2	AD
3-3	HBDGB3107CESA	J	SHARP Badge	AL
3-4	LHLDZ2066CEKZ	J	Holder (L), x3	AD
3-5	LHLDZ2067CEKZ	J	Holder (R), x3	AD
3-6	LANGS0116CEFW	J	Angle, x6	AD
3-7	QCNW-4704CEZZ	J	Connecting Wire	AK
3-8	VSP0080PBK48A	J	Speaker, x2	AN
3-9	XEPSD30P08000	J	Screw, x6	AA
4	CBDYR1068CE04	J	Rear Cabinet Ass'y (XG-XV1E)	BE
4	CBDYR1068CE09	J	Rear Cabinet Ass'y (XG-XV1A)	
4-1	*Not Available*	–	Rear Cabinet	—
4-2	HiNDP5036CESA	J	Model Label	
5	DBDYU1075CE03	J	Bottom Cabinet Ass'y	
5-1	*Not Available*	–	Bottom Cabinet	—
5-2	LX-NZ3102CEFW	J	Nut	AB
5-3	CCOVA1695CE02	J	Intake Cover Ass'y	AW
5-3-1	*Not Available*	–	Intake Cover	—
5-3-2	HPNC-0419CESA	J	Intake Cover Punching	AM
5-4	CHLDT1015CE02	J	Filter Inner Frame Ass'y	AU
5-4-1	LHLDT1015CEKA	J	Filter Inner Frame	AK
5-4-2	HPNC-0419CE00	J	Punching Net	AM
5-4-3	PMLT-0309CEZZ	J	Spacer	AC
5-4-4	PMLT-0310CEZZ	J	Spacer	AC
5-4-5	PMLT-0311CEZZ	J	Spacer	AB
5-4-6	PMLT-0312CEZZ	J	Spacer	AC
5-5	GCOVH1302CEKA	J	Screw Cover, x2	AD
5-6	GLEGP1017CEKB	J	Adjuster-Right	AV
5-7	GLEGP3017CEKB	J	Adjuster-Left	AV
5-8	LANGF2133CEFW	J	Fixing Angle	AK
5-9	LANGF9514CEFW	J	Fixing Angle, x4	AD
5-10	LANGK0640CEFF	J	Fixing Angle, x4	AH
5-11	PCOVW1044CEKZ	J	Cover, x4	AL
5-12	QCNW-4706CEZZ	J	Connecting Wire	AN
5-13	XEBSD30P10000	J	Screw, x6	AA
5-14	XEBSD30P14000	J	Screw, x6	AA
5-15	XEBSD40P12000	J	Screw, x13	AA
5-16	PSLDP3041CEFW	J	Light Shielding Plate	AD
5-17	XEBSF30P10000	J	Screw, x6	AA
5-18	PFiLD0055CEZZ	J	Intake Air Filter	AK
5-19	XBPSD26P06000	J	Screw	AA
5-20	LANGQ1321CEFW	J	Fixing Angle, x2	AD
6	DBDYS1078CE01	J	Right-Side Cabinet Ass'y	BF
6-1	*Not Available*	–	Right-Side Cabinet	—
6-2	JHNDA1028CESC	J	Carrying Handle	AP
6-3	NSFTH0014CEFW	J	Handle Shaft, x2	AD
6-4	PSPAT0013CEZZ	J	Spacer, x2	AC
6-5	XRESJ30-06000	J	E-ring, x2	AA
6-6	LANGK0641CEFW	J	Angle	AG
7	CCOVA1694CE02	J	Lamp Cage Cover Ass'y	AR
7-1	*Not Available*	–	Lamp Cage Cover	—
7-2	LX-BZ3274CESH	J	Screw, x1	AF
7-4	XRESJ30-06000	J	E-ring	AA
7-5	PC0VM1015CEKZ	J	Dust Cover	AM
7-6	PSLDP3042CEFW	J	Heat Shielding Plate	AE
7-7	XEBSD30P0600	J	Screw, x4	AA
8	*Refer to Optics Mechanism Parts*			
9	DCOVA1690CE02	J	PC/AV Terminal Cover Ass'y	AX

CABINET AND MECHANICAL PARTS (Continued)

Ref. No.	Part No.	★	Description	Code
9-1	*Not Available*	–	PC/AV Terminal Cover	—
9-2	LHLDZ2047CEKA	J	Holder	AE
10	CDENC0251CE01	J	Power/Ballast Unit Ass'y	CK
10-1	*Not Available*	–	Power/Ballast Unit	—
10-3	LHLDZ2035CEKZ	J	Holder	AR
10-5	NFANR0075CEZZ	J	Cooling Fan	AT
10-6	LANGH0138CEFW	J	Fixing Angle	AD
10-9	XBSSD30P08000	J	Screw, x2	AA
10-10	XEBSF30P08000	J	Screw, x2	AA
10-11	XEPSD30P35000	J	Screw, x2	AB
10-12	XJBSD30P05000	J	Screw, x1	AA
10-13	PDUC-0067CEKZ	J	Duct	AS
⚠11	BQC-XGXV1E//1	J	Metal-Halide Lamp Unit (Lamp/Cage Module)	
⚠11-1	CLMPF0046DE05	J	Lamp/Mirror Ass'y	
11-2	LHLDZ2042CEKZ	J	Holder	AL
11-3	LHLDZ3053CEFW	J	Handle	AD
11-4	LX-BZ3270CEFN	J	Screw, x1	AA
11-5	LX-NZ3108CEFN	J	Nut	AA
11-6	LX-WZ3105CEFN	J	Washer	AA
11-7	MSPRK0057CEFW	J	Spring	
11-8	PCASZ3016CEFW	J	Lamp Case-Front	
11-9	LANGG1147CEFW	J	Angle	AC
11-10	PRDAR1499CEFW	J	Heat Sink	AC
11-11	PSLDP1006CE00	J	Lamp Case-Rear	AS
11-12	QPLGN0309FJZZ	J	Plug	AP
11-13	TLABZ0626CEZZ	J	Label	
11-14	LX-BZ3365CEFD	J	Screw, x4	AB
11-15	RFiLW0176CEZZ	J	Glass Filter	BB
11-17	XEBSD40P10000	J	Screw, x2	AA
11-18	XEBSD30P08000	J	Screw, x2	AA
13	GCOVA1696CEKA	J	Cover	AL
14	HiNDP5038CEZZ	J	Indicator (XG-XV1E)	AD
14	HiNDP5064CEZZ	J	Indicator (XG-XV1A)	
15	LHLDZ2043CEKZ	J	Holder	AF
16	PCAPH1051CESA	J	Lens Cap	
17	LANGQ5706CEFW	J	Fixing Angle	AG
22	PSLDM4413CEFW	J	Shield for K9503DE	AP
23	PSLDM4471CEFW	J	Shield for K9503DE	
25	QCNW-4705CEZZ	J	Connecting Wire	AF
28	QCNW-4710CEZZ	J	Connecting Wire	AG
29	NSFTZ0132CEFW	J	Shaft, x8	AC
32	LX-BZ3220CEFD	J	Screw, x2	AA
33	LX-BZ3377CESB	J	Screw, x6	AC
34	LX-HZ3098CESB	J	Screw, x7	AC
35	LX-HZ3099CESB	J	Screw, x1	AC
36	XBBSD30P06000	J	Screw, x24	AA
37	XBBSD30P08000	J	Screw, x3	AA
38	XBPSD20P04000	J	Screw, x16	AA
39	XEBSD40P12000	J	Screw, x18	AA
43	XTBSD40P30000	J	Screw, x5	AA
44	*Not Available*	–	Signal Unit	—
45	*Not Available*	–	Output Unit	—
46	*Not Available*	–	Infrared R/C Receiver Unit	—
47	*Not Available*	–	LED Unit	—
48	*Not Available*	–	Video Board Unit (Only for Australia and NewZealand)	—
49	*Not Available*	–	AC Inlet/Main Power Switch Unit	—
50	*Not Available*	–	PC Terminal Unit	—
51	*Not Available*	–	PC I/F Unit	—
52	XBBSD30P08KS0	J	Screw, x1	AA
53	LANGQ1323CEFW	J	Angle	AH
54	XBPSD40P12JS0	J	Screw, x2	AA
55	XBSSD30P08000	J	Screw, x7	AA
56	JKNBP1065CESB	J	Power Button	AC
57	LANGK0653CEFW	J	Angle	AE
58	QCNW-4711CEZZ	J	Connecting Wire	AK
59	QCNW-4712CEZZ	J	Connecting Wire	AK
60	NSFTZ0134CEFW	J	Shaft, x4	AD
61	NSFTZ0135CEFW	J	Shaft, x4	AD
63	*Not Available*	–	AC Inlet	—
64	NSFTZ0136CEFW	J	Shaft, x5	AD
65	PSLDM4452CEFW	J	Shield	
66	PSLDM4453CEFW	J	Shield	
67	PSLDM4454CEFW	J	Shield	
68	PSLDM4457CEFW	J	Shield	AR
70	LX-HZ3101CESB	J	Screw, x2	
71	TLABZ0593CEZZ	J	Label	AC
72	PRDAR7002CEFW	J	Heat Sink	
73	PRDAR1535CEFW	J	Heat Sink	
73	XBPSD40P05J00	J	Screw, x2	
75	CFiLD0063CE01	J	Shield	

OPTICS MECHANISM PARTS / TEILE FÜR OPTIKMECHANISMUS



OPTICS MECHANISM PARTS

Ref. No.	Part No.	★	Description	Code
8	CCHSK0060CEK1	J	Optics Mecha Ass'y	HE
8-1	LCHSK0065CEKZ	J	Optics Mecha Base	BF
8-2	LCHSK0066CEKZ	J	Optics Mecha Cover	BF
8-3	CCHSK0061CE01	J	B Adjusting Plate	
8-4	LANGT2105CEFW	J	G Adjusting Plate	AL
8-5	LANGG1158CEFW	J	Slide Plate, x3	AF
8-6	LANGG1157CEFW	J	Guide Plate	AT
8-7	LANGG1143CEFW	J	Flap	AG
8-8	LHLDW1087CEZZ	J	Wire Holder	AB
8-9	LHLDZ2068CEKZ	J	Holder, for Projection Lens	BC
8-10	NSFTT0052CEFW	J	Shift Screw	BA
8-11	LHLDZ9131CEZZ	J	Holder, for Prizm	BQ
8-12	NSFTT0053CEFW	J	Guide B	AW
8-13	PCOVZ1075CEKZ	J	Duct Holder	BD
8-14	PCOVZ1076CEKZ	J	Duct Holder (Left)	AS
8-15	PSLDP3043CEFW	J	Heat Shielding Plate-A	AR
8-16	PSLDP3045CEFW	J	Heat Shielding Plate-C	AH
8-17	PSLDP3044CEFW	J	Heat Shielding Plate-B	AM
8-18	PSLDP3040CEFW	J	Light Shielding Plate-D	AU
8-19	PSLDP3024CEFW	J	Light Shielding Plate-A	AP
8-20	PSLDP3035CEFW	J	Light Shielding Plate-B	AL
8-21	PSLDP3046CEFW	J	Light Shielding Plate-C	AF
8-22	MSPRP1181CEFW	J	Mirror Fitting Spring, x27	AD
8-23	MSPRP1182CEFW	J	Polarizing Plate Fitting Spring, x3	AE
8-24	MSPRP1183CEFW	J	Lens Fitting Spring, x4	AD
8-25	PLNS-0113CEZZ	J	Condenser Lens-R/G, x2	BC
8-26	PLNS-0139CEZZ	J	Condenser Lens-B	AZ
8-27	PLNS-0137CEZZ	J	Relay-Lens (Small)	AY
8-28	PLNS-0117CEZZ	J	Relay-Lens (Large)	AZ
8-29	PFiLW0158CEZZ	J	Polarizer Input Filter-R	BB
8-30	PFiLW0193CEZZ	J	Polarizer Input Filter-G	BB
8-31	PFiLW0192CEZZ	J	Polarizer Input Filter-B	BD
8-32	PFiLW0169CEZZ	J	Pre-Polarizing Plate	BF
8-33	PMiR-0168CEZZ	J	Mirror-1 (AL-Coated)	AS
8-34	PMiR-0166CEZZ	J	Mirror-2 (B/G-Reflector)	BE
8-35	PMiR-0205CEZZ	J	Mirror-3 (G-Reflector)	BC
8-36	PMiR-0169CEZZ	J	Mirror-4 (AL-Coated)	AM
8-37	PMiR-0208CEZZ	J	Mirror-5 (R-Reflector)	BA
8-38	PMiR-0177CEZZ	J	Mirror-6 (B-Reflector)	BA
8-39	PLNS-0134CEZZ	J	Flyeye Lens (Incoming Light)	BW
8-40	PLNS-0135CEZZ	J	Flyeye Lens (Outgoing-Light)	BT
8-41	RLCDP0046CEZZ	J	LCD Module Unit, Red	DU
8-42	RLCDP0047CEZZ	J	LCD Module Unit, Green	DU
8-43	RLCDP0048CEZZ	J	LCD Module Unit, Blue	DU
8-44	PMiR-0192CEZZ	J	Cross Prizm (with Base)	CP
8-45	NFANR0078CEZZ	J	Cooling Fan (Exhaust)	BC
8-46	NFANR0076CE00	J	Cooling Fan (Intake), x2	AT
8-47	LANGG1152CEFW	J	Plate, for Fan	AH
8-48	RMOTM1004CEZZ	J	Motor	AE
8-49	LANGU9007CEFW	J	Angle, for motor	AL
8-56	NBRGP0004CEZZ	J	Shift Screw Holder	AF
8-60	CLNS-0133CEZZ	J	Projection Lens	CU
8-61	PCOVN3002CEFW	J	Cover, Top	AL
8-62	PCOVN9004CE00	J	Cover, Bottom	AL
8-63	RH-HZ0051CEZZ	J	Thermistor	AN
8-64	LANGT3262CEFW	J	Angle, for PWB	AH
8-65	LANGK0660CEFW	J	Angle, for Thermistor	AG
8-66	RH-HZ0048CEZZ	J	Temp, Sensor	AN
⚠ 8-67	CBiM-0001CE25	J	Bimetal Ass'y	AS
⚠ 8-67-1	RBiM-0001CEZZ	J	Bimetal	AN
8-67-2	QCNW-4714CEZZ	J	Connecting Wire	AH
8-68	PSPAZ0192CEKZ	J	Spacer, for Bimetal	AF
8-69	HPNC-0425CE00	J	Punching Net	AL
8-70	LHLDW1046CEZZ	J	Wire Holder	AA
8-71	PZETK0051CEZZ	J	Insulation Sheet	AG
8-72	XSSSF20P05000	J	Screw M2-5, x9	AA
8-73	LX-BZ3382CEFD	J	Screw M2.6-5, x18	AB
8-74	LX-BZ3049GEFD	J	Screw M3-10, x9	AA
8-75	XBPSD40P12JS0	J	Screw M4-12, x12	AA
8-76	XWPSF40P35000	J	Screw M4-35, x2	AD
8-77	XEPSD30P12000	J	Screw M3-12, x2	
8-78	XEPSD30P06000	J	Screw M3-6, x2	AA
8-79	LX-BZ3266CEFD	J	Screw M3-6, x8	AA
8-80	CCHSK0061CE02	J	R Adjusting Plate	
8-82	PCOVP1069CEZZ	J	Switch Cover	AG
8-83	XBBSD40P12000	J	Screw M14-12, x4	AB

Ref. No.	Part No.	★	Description	Code

SUPPLIED ACCESSORIES

ACCESSORIES

⚠	QACCV4002CEZZ	J	AC Cord (XG-XV1E)	AZ
⚠	QACCZ3030CESA	J	AC Cord (XG-XV1A)	
	QCNW-4620CEZZ	J	Mouse Control Cable	BC
	QCNW-4754CEZZ	J	Mouse Control Cable for IBM	AW
	QCNW-4910CEZZ	J	RGB Signal Cable	
	QCNW-4755CEZZ	J	Mouse Control Cable for Mac.	AX
	HiNDP4946CESA	J	Indicator	AE
	QPLGJ0107GEZZ	J	Plug	AR
	QPLGJ1512CEZZ	J	Mac/VGA Adaptor	AY
	RRMCG1393CESA	J	Remote Control Unit	
	TiNS-6272CEZZ	J	Operation Manual (Only for U.K and Europe)	BV
	TiNS-6273CEZZ	J	Operation Manual (Only for Australia and NewZealand)	
	TiNS-6313CEZZ	J	Operation Manual (XG-XV1A)	

ACCESSORIES (NOT REPLACEMENT ITEM)

TCADZ3093CEZZ	–	Register Card	—
UBATU0025GEZZ	–	Four AA Type Dry Batteries	—

Ref. No.	Part No.	★	Description	Code

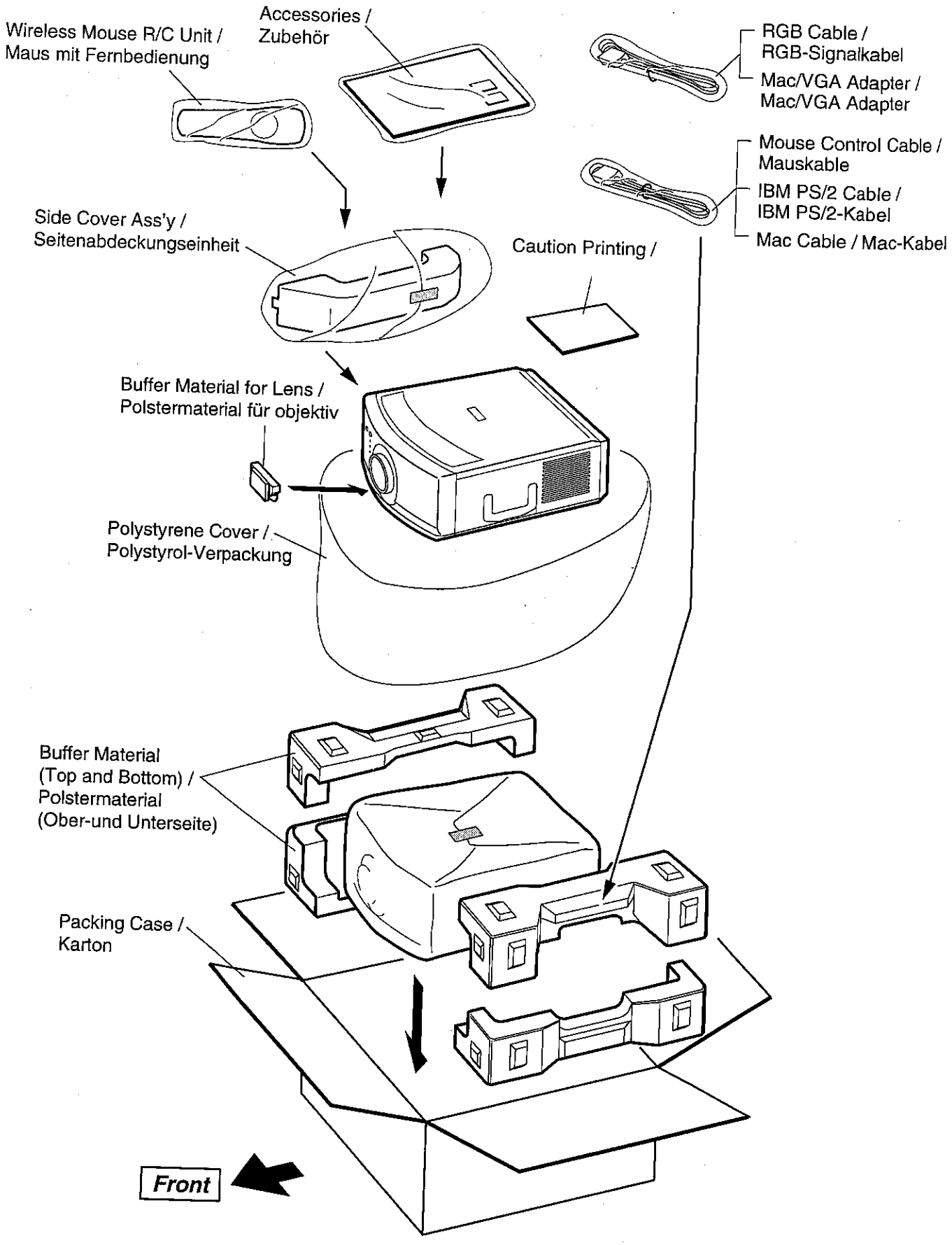
PACKING PARTS
(NOT REPLACEMENT ITEM)

SPAKC5156CEZZ	–	Packing Case (XG-XV1E)	—
SPAKC5217CEZZ	–	Packing Case (XG-XV1A)	—
SPAKP0604CEZZ	–	Polystyrene Cover	—
SPAKX2818CEZZ	–	Buffer Material (Top and Bottom)	—
SSAKA0263CEZZ	–	Polyethylene Bag for Operation Manual and Cards	—
TLABK0001TAZZ	–	Number Card	—
TLABN0157CEZZ	–	Serial Number Label	—
SPAKX2838CEZZ	–	Buffer Material for Lens (XG-XV1E)	—
SPAKX2837CEZZ	–	Buffer Material for Lens (XG-XV1A)	—

SERVICE JIGS
(Use for servicing)

9DASPN-XGNV1U	J	Spanna, 3.2mm (Off-set Cam Adjustment)	BL
9EQDRiVER-NV1A	J	Off-set Driver (Focus Adjustment)	CA
9EQDRiVER-NV1B	J	Screwdiver, (–) (Focus Adjustment)	BL
9EQLNC-XGNV1U	J	Hexagon Wrench, 2mm (Convergence Adjustment)	BA
QCNW-4767CEZZ	J	Extension Cable 30-pin Signal (TN)— PC Terminal (TN), Signal (VS)— Video Board (VS),	BT

PACKING OF THE SET
VERPACKEN DES GERÄTS



SHARP

COPYRIGHT © 1997 BY SHARP CORPORATION

ALL RIGHTS RESERVED.

No part of this publication may be reproduced,
stored in a retrieval system, or transmitted in
any form or by any means, electronic, mechanical,
photocopying, recording, or otherwise, without
prior written permission of the publisher.

TQ0370-S
Dec. 1997 Printed in Japan
In Japan gedruckt
YO. KG

SHARP CORPORATION
AV Systems Group
Quality & Reliability Control Center
Yaita, Tochigi 329-21, Japan